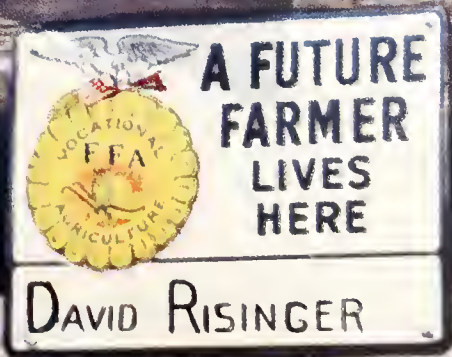


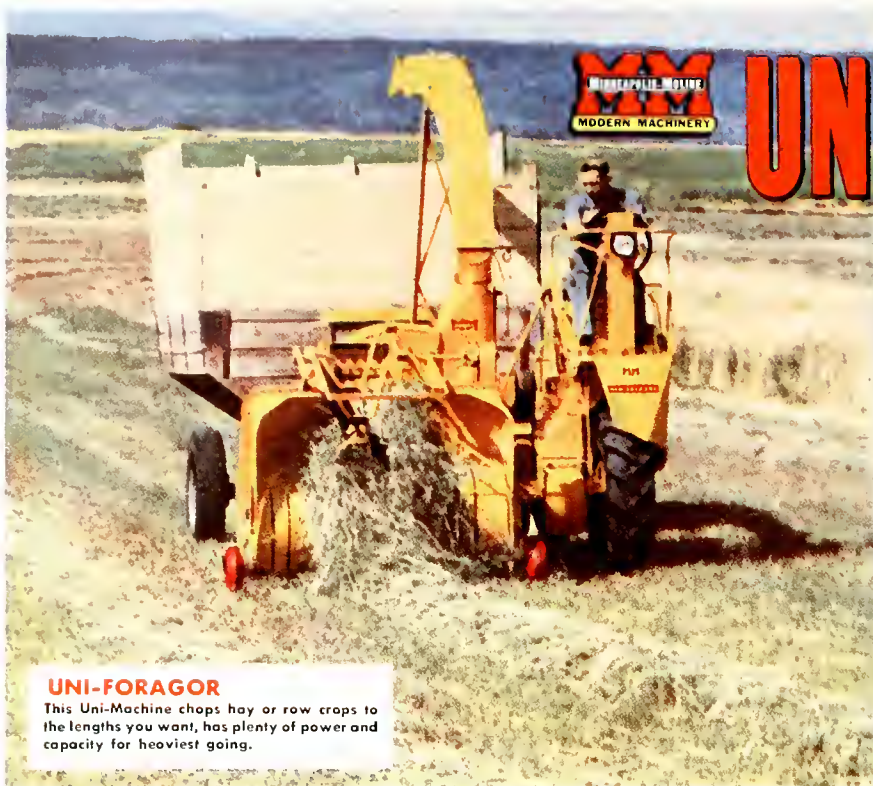
The National

SUMMER 1955

Future Farmer

Owned and Published by the Future Farmers of America





UNI-FORAGOR

This Uni-Machine chops hay or row crops to the lengths you want, has plenty of power and capacity for heaviest going.

UNI-FARMOR

**makes
you money
like the
Champion
it is!**

**Now, you simply can't
afford not to get the facts!**

*World Championship
Performance and...*

**NEW UNI-TRACTOR OFFERS
20% MORE POWER—NEW POWER STEERING**



UNI-HARVESTER

Here's famed Harvester performance with all the advantages of self-propelled operation. Variable-speed drive, Uni-Matic hydraulic header control, highspeed auger unloader—you profit by them all.



UNI-WINDROWER

New Uni-Matic height control, big, 10-foot capacity and perfect cutting visibility make this self-propelled windrower outstanding. You'll use this cost-cutting Uni-Machine all summer long.



UNI-HUSKOR

This MM Uni-Huskor won 1st, 2nd and 3rd prizes in the toughest international competition. Uni-Matic height control, exclusive MM husking bed with rotating and side-to-side action, full length corn saver. Low-cost championship* sheller attachment lets you convert to picking-shelling.

*MM Shellers are by far the leading sellers in sizes from 175 to 1200 bushels per hour.



UNI-PICKER-SHELLER

With this advanced MM Uni-Picker-Sheller, you pick and shell corn with up to 30% moisture content, in one trip through. You profit by all the prize-winning advantages of the Uni-Huskor, plus the thorough, big-capacity shelling of MM's famed Model D Sheller. Powerful cleaning fan and long cleaning sieves deliver a clean, trash-free crop to the tank.

In its first really competitive test, the Minneapolis-Moline Uni-Farmor swept the field! In the International Mechanical Corn Picking Contest, MM Uni-Huskors placed 1st, 2nd, and 3rd. That's real proof of the prize-winning performance you get with the MM Uni-Farmor.

One Uni-Tractor mounts all your Uni-Farmor attachments. You chop silage, windrow hay or grain, combine grain, bean or seed crops, pick and husk corn, or pick and shell corn. On every job, you get the same self-propelled operation.

And look at the money you save! You save up to \$1500 or more on the Uni-Tractor and 3 Uni-Machines over the cost of pull-behind equipment. Every Uni-Machine you buy after that adds to that first big saving.

You owe it to yourself to get the facts about Uni-Farming. Mail the coupon for free literature. Then see your MM Dealer for first-hand information.

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

Want the facts? Mail Coupon

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

Dept. 405

I'd like the complete story on Uni-Farming. Please send folders on the machines checked. I farm.....acres.

() UNI-TRACTOR () UNI-HARVESTER
() UNI-FORAGOR () UNI-WINDROWER
() UNI-HUSKOR () UNI-PICKER-SHELLER

Tell us WHAT other Uni-Machines you'd be interested in—the future?

Name.....

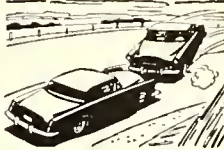
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Postoffice.....State.....

Get All These Extra Features At No Extra Cost



BLOWOUT PROTECTION



No tube to pinch or explode! The Safety-Liner, which holds the air, also reinforces the tire . . . instead of a dangerous blowout you get a slow leak.

PUNCTURE PROTECTION



If a nail should penetrate this tire, the Safety-Liner grips it and slows air loss . . . No sudden flat tires . . . no need to change flats on the road.

SKID PROTECTION



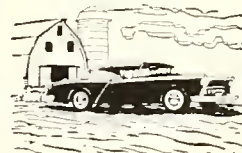
Newly designed silent tread has more angles . . . more skid-protecting edges than ever before . . . has 70% more skid-resisters than ordinary tires.

QUIETER RUNNING



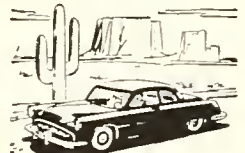
No hum or whine because tread elements overlap to prevent rhythmic vibration. Silent Safety-Grip Tread won't squeal even on sharpest turns.

GREATER COMFORT



New resilient tread compounds and flexible tread design absorb road shock. Elimination of inner tube also provides a softer, more comfortable ride.

LONGER MILEAGE



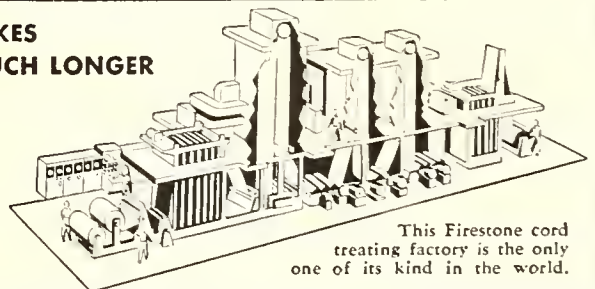
Tread is compounded of extra-tough, wear-resistant rubber. Its Safety-Tensioned Gum-Dipped* Cord Body prevents dangerous tread cracking.

with new **Firestone** **DELUXE CHAMPION TUBELESS TIRES** *The Standard Equipment Tire On Today's New Cars*

SAFETY-TENSIONED GUM-DIPPED* CORD BODY MAKES FIRESTONE TIRES SAFER . . . STRONGER . . . RUN MUCH LONGER

The Firestone Gum-Dipping process, patented in 1920, has long been famous for extra protection against blowouts. Now, with valuable speedway experience and millions of miles of testing on the highway, Firestone combines Gum-Dipping with Safety-Tensioning to take the stretch out of tire cords, a major cause of tire failure in high speed driving. The result is greater blowout protection and longer tire life.

* T.M. Reg. U. S. Pat. Off.



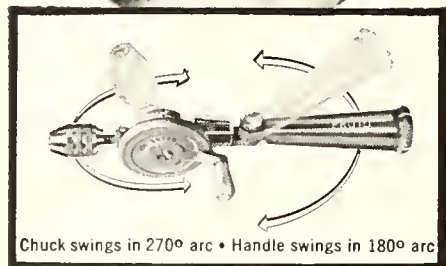
This Firestone cord treating factory is the only one of its kind in the world.

Make FIRESTONE Your Headquarters For Tubeless Tires And Service

Enjoy the Voice of Firestone on radio or television every Monday evening over ABC

Copyright 1955, The Firestone Tire & Rubber Co.

There's No Such Thing
as a Difficult Drilling
Job...with
PROTO's
new



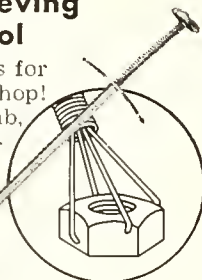
Both professionals and "Do-It-Yourself" handymen will find the PROTO All-Angle drill indispensable for hard-to-get-at drilling jobs in close quarters — next to floors — around obstructions.

Work it straight, or work all the angles... it's a versatile addition to any tool kit. Buy it from your PROTO dealer today! Send 10¢ for catalog of entire line to

PLUMB TOOL COMPANY
2267F Santa Fe Ave., Los Angeles 54, Calif.

ALSO NEW! PROTO GRAB-ALL Retrieving and Holding Tool

The tool of 1000 uses for every home, every shop! A push of the thumb, and four strong gripping fingers grab objects in hard-to-reach places.



Eastern Factory, Jamestown, N.Y. • Canadian Factory, London, Ont.



The National Future Farmer

Owned and Published by the Future Farmers of America

SUMMER, 1955

Vol. 3, No. 4

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THE COVER PHOTO

By John Jeter

The two smiling faces on our cover are Texas FFA Sweetheart Martha Banks and Texas FFA President David Risinger. David, from Ferris, and Martha, from Waxahachie, are both Ellis County residents and live only 18 miles from each other.

David said his speeches while an FFA officer tried to carry a message to sell the public on the value of Future Farmer work. In September David will enter Texas A & M, but now he's still concentrating on his FFA duties, which include a good deal of traveling and personal appearances, and his herd of Shorthorn cattle, raised during his four years as a vo-ag student. For story, see page 28.

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THE *FORWARD* LOOK ...IN TRUCKS!



**Dodge has changed the picture
on performance, price!**

Today there's a changed picture of truck power, payload, price! For example, do you know the answers to these 3 questions?

1—What trucks provide the highest horsepower of the 5 leading makes *in every conventional model*, ½-ton through 3½-ton?

2—What trucks have the highest payload in more models, 1½- through 4-ton, than any other leading make?

3—What trucks have the lowest factory retail price in more popular models than any other leading make?

In each case the answer is, "Dodge 'Job-Rated' trucks" . . . the trucks with the Forward Look! Find out for yourself how Dodge trucks give you more visibility, more modern styling, more of everything you want in a truck. See your dependable Dodge Truck dealer now.

ALL-NEW
DODGE
"Job-Rated"
TRUCKS

P R O D U C T S O F C H R Y S L E R C O R P O R A T I O N

KNOW-HOW

FIRST STEP TO GOOD FARMING!

If we are to feed our 190,000,000 population estimated by 1975, tomorrow's farmers must *know how* to get more production from our land. In many areas using maximum fertilization, best crop varieties and good cultural practices, Caterpillar equipment is boosting yields as much as 50%. This is done by deep tillage, land forming, leveling and other extra jobs that CAT* equipment does better, in addition to regular farm jobs.

The Caterpillar* Diesel Tractor story is told in the following movies available through your Caterpillar Dealer. Call him today... or fill out and send the coupon below to us. Caterpillar Tractor Co., Peoria, Ill., U.S.A.

Name _____

School _____

Address _____

"DIVIDEND IN DEPTH"—Caterpillar's newest movie... illustrates how plow pan and hard pan limit yields... shows the tools specially designed to correct this condition and increase yields. 16mm—sound—20 min.

DATE OF SHOW _____ ALTERNATE DATE _____

"WHAT'S IN IT FOR ME?"—color movie compares the Cat track-type Tractor with wheel-type tractors. 16mm—sound—20 min.

DATE OF SHOW _____ ALTERNATE DATE _____

"POWER FOR PROTECTION"—color movie shows how to build dams, terraces, stockponds, clear woodland with farm power. 16mm—sound—23 min.

DATE OF SHOW _____ ALTERNATE DATE _____

"STANDARD WEST COAST EQUIPMENT"—report on farming in one of the most intensively tilled areas in the United States—the West. 16mm—sound—23 min.

DATE OF SHOW _____ ALTERNATE DATE _____

"A THING OR TWO"—features preventive maintenance of small diesel engines. 16mm—sound—23 min.

DATE OF SHOW _____ ALTERNATE DATE _____

"THE BIG TRACK"—a documentary type movie on the track-type tractor. 16mm—sound—28 min.

DATE OF SHOW _____ ALTERNATE DATE _____

"WHAT'S IN A NAME?"—gives you the close-up story of building and improving diesel tractors. 16mm—sound—20 min.

DATE OF SHOW _____ ALTERNATE DATE _____

* Both Cat and Caterpillar are registered trademarks — ®

EDITORIAL

A Fellow Told Me...

You can just call him Charlie! On the run-off between the names *Charlie*, *Johnnie*, *Dwight*, and *Egbert*, the first mentioned was an easy winner. So, it gives me great pleasure on the part of each of you to hereby christen the genial chap overlooking these lines—*Charlie Greenhand*.

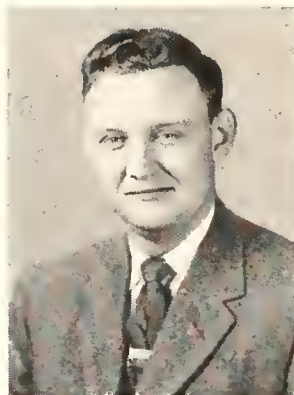
At first I thought it was a little strange that anyone in the FFA should become a greenhand before being christened. But then, I guess that's not so strange, after all. For a lot of greenhands are still working to make a name for themselves. And again, like *Charlie Greenhand*, perhaps, they'll play an important role in the FFA.



Remember Jimmy?

In case you haven't already heard, Jimmy Dillon, National FFA President two years ago, has been employed by our magazine.

Jimmy completed work for his Bachelor of Science Degree in Agricultural Education at Louisiana State University (his home is at Bonita, Louisiana), just a few days before he reported for work at the magazine headquarters last February.



His work will be mainly in advertising sales, and he has already made several trips to such places as Chicago, Detroit, Minneapolis, and Akron—all of which he visited while on the National Officers' good will tour during our 25th anniversary year.

Oh, yes—Jimmy's an old married man now. Has a beautiful bride (I don't know how he managed that). Miss Norma Price, also of Louisiana. They will make their home in Alexandria, Virginia, close to the magazine offices.

By the way, the magazine's got some other former Future Farmers on the staff, too, and if you'd like for me to kind of nose around and give you the low down on them just drop me a note. I could probably track down the dope on one an issue.

Something else:

FFA members, particularly chapter officers, will want to keep an eye on the dates of October 23-29. That's to be national Farm-City Week, when activities will be initiated to bring about better understanding and closer working relationships between farm and city people.

Hank

B. F. Goodrich Power-Grip tractor tires



**"I GET MAXIMUM
DRAWBAR-PULL OUT
OF MY TRACTOR"**

Harold Beckes raises hogs and cattle, grows corn, wheat, soy beans and hay on his 500-acre farm near Russelville, Ill. This land includes sand, clay and river bottom areas—tough going for tractors. Beckes reports B. F. Goodrich Power-Grip tractor tires are the best buy for this type of work. He says the wide Power-Grip shoulders and high cleats get

maximum drawbar-pull out of his tractor.

B. F. Goodrich Power-Grip cleats are higher and longer, have a bigger face area to press against the soil. The husky, square-cut shoulders penetrate deeper, defy slippage even in muddy soil. The result: you get full traction in forward or reverse from these bigger, more powerful B. F. Goodrich tractor tires.



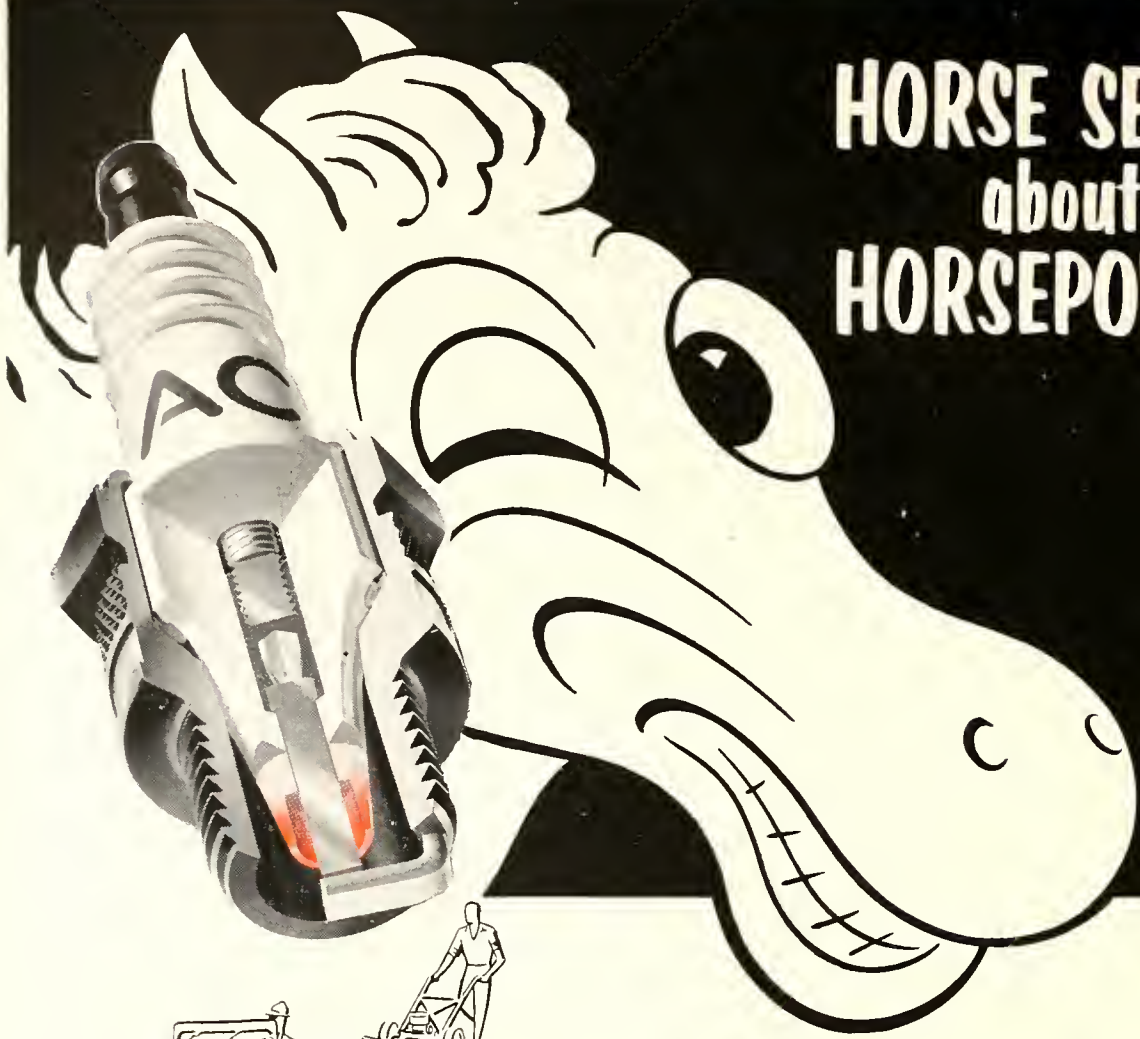
"Power-Grip tires take hold even in wet ground"—Picking corn after heavy rains could present slippage problems to George Garner on his Leiters Ford, Ind., farm. But he uses B. F. Goodrich Power-Grip tractor tires, reports the bigger tread holds even in wet going. Power-Grip tires look bigger because they are bigger. No other tire is wider than Power-Grip. Time after time you'll find that size for size no other tire has more cleats. B. F. Goodrich gives you *more* tire, *more* working power, with big, new Power-Grip tractor tires.

"Super Hi-Cleat open-center tread cleans as it rolls"—Costs 20% less—E. E. Hartman and 6 sons

farm 600 acres 8 miles southwest of Findlay, Ohio. About low-cost Super Hi-Cleat tires, he says: "I like the way the open tread keeps earth from packing up on the tire. There is no slippage." Super Hi-Cleat tires sell at 20% less than first-line makes. Ask your local B. F. Goodrich retailer about them, and about new Power-Grip tires. His address is listed under Tires in the Yellow Pages of your phone book. Or write The B. F. Goodrich Co., Tire & Equipment Div., Akron 18, O.



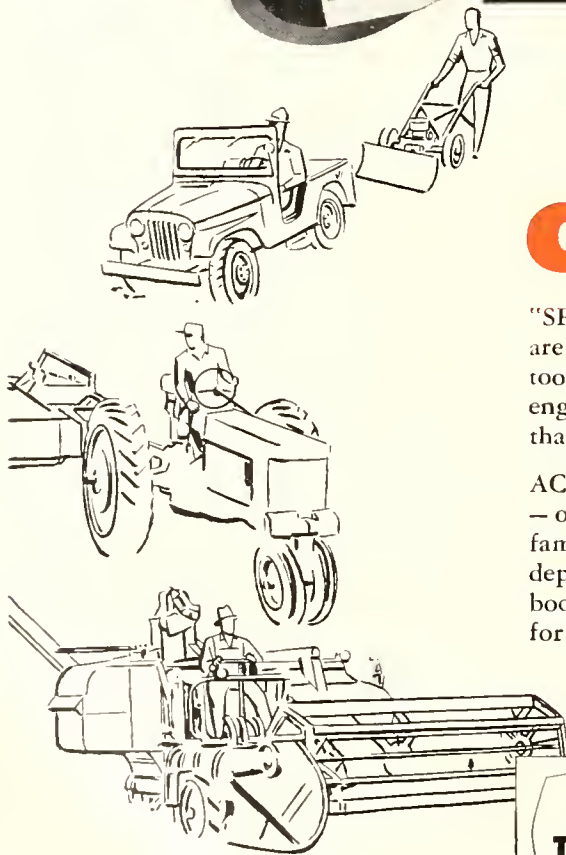
HORSE SENSE about HORSEPOWER



ON THE FARM

"SPARKY," the AC horse, has plugs on his mind — says there are more plugs on American farms today than ever. He's right, too! The cars, trucks, tractors, field machines and stationary engines on modern farms add up to a whopping horsepower that has to be sparked into action by spark plugs.

AC Spark Plugs — specially engineered for the specific engine — offer you some worthwhile "extras." AC plugs have the famous Hot Tip. That's why they burn off oil and carbon deposits, stay clean longer. AC plugs insure fast starts and boost horsepower, too. It will pay you to get AC Spark Plugs for all your needs. *Only* ACs have the Hot Tip!



WATCH
**BIG
TOWN**
NBC-TV



Exclusive
HOT TIP...



AC SPARK PLUG DIVISION
GENERAL MOTORS CORPORATION

STANDARD FACTORY EQUIPMENT ON MORE NEW VEHICLES THAN ANY OTHER MAKE!

Looking Ahead

PRE-PACKAGED MEATS

Watch the trend to pre-cut, packaged and frozen meats. Meats will be processed at the packing house, and sent to stores ready to sell. This probably will mean better markets for beef in most areas, for the greater efficiency in processing and distribution will mean less cost to the consumer—therefore consumers should use more beef.

MEATS ON THE SHELF

Another revolution in the food processing field, again demonstrated with pre-packaged meats, is the preserving of food by radiation with radioactive material. For instance, a steak is passed under "hot" material, such as radioactive cobalt, and the rays kill all the spoilage-causing bacteria. The steak is then wrapped in an airtight container and will keep almost indefinitely on the kitchen shelf, in grocery stores and in warehouses—without refrigeration!

Here again, lower prices to consumers should mean better demand for crops processed in this manner. But, there are some things that have the people in the food processing business worried. The present trend toward pre-packaged, frozen foods demand large refrigeration units all down the line. Yet, the atomic process will probably make a refrigeration unit old-fashioned—and there's lots of money tied up in refrigeration now, with more going into it daily. In spite of all this, look for the atomic processing of foods to arrive in a few years.

TREND IN COLOR

It seems that since the arrival of the Beltsville Small White turkey, that the poultry market is swinging toward light-plumaged birds in broilers as well. USDA scientists at Beltsville, Maryland, have developed a Silver Cornish chicken which experts believe will become as popular as the Beltsville Small White turkey. Light-plumaged birds, either turkeys or broilers, find ready markets. Growers like them because they do have a ready market, processors because they are easier to dress, and consumers because they look clean and appetizing.

THE CORNCOB

For quite some time, about the only thing anyone did with a corncob was make a pipe. But not now. The demand for corncobs is growing, thanks to USDA and industrial research. More than a million tons of corncobs are now used each year in factory and industrial operations and products, and this returns \$10 million to farmers and cob grinders. About half the cobs go into making the chemical *furfural*, which is required to make nylon, synthetic rubber, pharmaceuticals, and resins.

The other half goes to a great variety of uses, including livestock feeding; smoothing, cleaning and polishing metals, glass, plastics and molded rubber items; air-blast cleaning of large electric-motor and generator installations and engine parts. Scientists are working on new uses for the corncob—of which we have about 15 million tons a year—and further uses for the lowly corncob may raise it to a high position on the farm.

THINGS TO WATCH

Poultry and Eggs: Egg production is declining, but is likely to stay above last year's production for a little while. By late summer, lack of replacements in laying flocks will be felt and production will be around 5 per cent below the same period in 1954. This will probably mean higher prices for eggs in most areas. Broiler placement has been high in April and May. Prices appear to be stable at present, but production in late summer and fall could bring prices down a bit.

Dairy Products: More milk is being used in fluid form, and farmers received more for their milk as a result. Due to heavy supplies in prospect, there seems to be little chance for a price change for the rest of 1955.

Livestock: Total meat production will probably run about 4 per cent above last year, with hog production accounting for most of the rise. Cattle slaughter will probably be slightly larger than last year.

'Stilbosol' Digest

Aden Danielson reports extra \$320 from load of steers fed 'Stilbosol' ration. Mr. Danielson, experienced cattle feeder from Leland, Illinois, ran his own 'Stilbosol' test. He put 17 steers on a supplement with 'Stilbosol' and compared them with another equal group of steers fed the same basic ration, without 'Stilbosol.' After 83 days on feed, the 'Stilbosol' group had gained 240 lbs. each and the others 190 lbs.



Aden Danielson
Leland, Illinois

Average daily gain for steers getting 'Stilbosol' was 2.87 lbs. compared with 2.29 for those not getting it. Cost of gain was 23¢ a pound in the check lot and only 20.87¢ with 'Stilbosol.' The steers fed 'Stilbosol' made .58 lb. extra daily gain and did it for 2.13¢ a pound less. The lot fed 'Stilbosol' sold for 50¢ more a cwt. All this added up to an extra \$320 profit for Mr. Danielson.

"I find that cattle getting 'Stilbosol' gain faster at less cost, are quieter in the lot, and stay on feed better," says Mr. Danielson. "I'm feeding 200 steers now and they all get 'Stilbosol.'"

Cattle fed 'Stilbosol' are yielding high-quality carcasses. Original research showed that carcass quality, shipping shrink and dressing percent were not affected by the addition of 'Stilbosol' to market cattle rations. Careful experiments, recently completed by agricultural colleges and feed manufacturers, continue to confirm the earlier findings.

Iowa State College made extensive tests comparing carcasses from 63 cattle fed 'Stilbosol' with 29 fed the same ration, except for 'Stilbosol.' Differences were small and of no practical importance. Average carcass grades for both groups were between *high good* and *low choice*.

Average shipping shrink for the 'Stilbosol' group was 1.0% compared with 1.1% for the control group. Dressing percent of the 'Stilbosol' group was 60.3% against 60.4% for the control group. Other comparisons included determining the percent lean, fat and bone in the rib section; and the area, fat cover and water percent of the rib-eye muscle. Differences were slight in all cases but favored 'Stilbosol'-fed cattle.

Stilbosol

(Diethylstilbestrol Premix, Lilly)

Lilly



**Today's young farmers are using
INTERNATIONAL FERTILIZERS
as their dads and grandads have
for nearly 50 years**

When fathers and sons pool their agricultural know-how, you see some scientific, high-profit farming. One thing young farmers are learning from their dads and their teachers, is the importance of using heavy applications of top quality fertilizer.

Leading colleges and agricultural authorities recommend this to get maximum production from every acre of cropland and lower unit cost of production to give higher net profit.

Since 1909, farmers have been using dependable *International Fertilizers* to increase their farm income. These quality fertilizers are made right for easy application and they deliver the well-balanced ration of rich plant foods your crops need for a quick start and healthy growth. You can get *International Fertilizers* in all locally recommended regular and multiple strength grades. So, remember . . . now, and when you're farming on your own . . . use *International Fertilizers* for Satisfaction at Harvest Time.

Plant Food Division



**INTERNATIONAL MINERALS
& CHEMICAL CORPORATION**

General Offices: 20 North Wacker Drive, Chicago 6



Boyceville, Wisconsin

I am an FFA member at the Boyceville High School and I have been for the past three years.

I just received your (*The National FUTURE FARMER*) magazine and I sat right down and read it from cover to cover. This magazine seems to be one that once you get started reading it you don't stop until you are finished. I have received this magazine for the past 2½ years and I have never run across a magazine more interesting than this magazine.

I certainly was glad to see that we will be getting more of them in '56.

Keep up the good work.

David Harvey

Ethel, Mississippi

I am an FFA member and go to Ethel High School. I am in the tenth grade and I enjoy your magazine very much. It is one magazine that I can hardly wait for. I was glad to hear that the number will be increased to six issues next year. I hope it will soon become a monthly magazine. I have been receiving it for two years and I intend to keep on receiving *The National FUTURE FARMER*.

Charles M. Veazey

Falkville, Alabama

I am very pleased to read that we will be getting more copies in 1956. *The National FUTURE FARMER* is a magazine everyone should enjoy. I would like to correspond with other FFA members. Keep up the good work.

John Knight, Jr.

Crandall, Texas

I received my second (*The National FUTURE FARMER*) yesterday, have thoroughly read it, and enjoyed it even more than the first. I know that I will enjoy each one more and more as I receive them. I was very happy to read the good news about "Six in '56." I hope that in the near future this wonderful magazine will come every month.

This is my second year in the FFA and I have been elected vice president both years. Last year I was on the team that entered the Area Greenhand Quiz in Area V in the state of Texas

and won second prize. This year I plan to enter the Public Speaking contest. I have been awarded the Public Speaking Award at our Father-Son Banquet both years I have been a member of the FFA.

Writing letters is one of my many hobbies and I would like to correspond with others in America.

You're doing great work on *The National FUTURE FARMER*. Keep up this good work and I'm sure the magazine will become better and better as each issue rolls off the press.

Travis L. Williams

Galivants Ferry, South Carolina

I was just reading my (*The National FUTURE FARMER*) magazine, and I enjoy it; it is one of the most interesting magazines that I have ever read. Will you please send me one of the new Spring FFA Supply Catalogs. I am a member of the Aynor High School Chapter; this is my first year in vocational agriculture.

P. S. I sure hope *The National FUTURE FARMER* becomes a monthly magazine.

(no name signed)

Burden, Kansas

Our son is in the Air Force now, but in his last letter he asked if we would find out it it would be possible for him to take the *FUTURE FARMER* magazine. He was the president of the Future Farmers in his senior year in high school.

We are happy he is still interested in farming and think maybe the magazine will help keep that interest alive.

Mrs. Ross E. Bolack

Clarksville, Virginia

Your magazine is wonderful. I enjoy it very much. It carries a lot of good articles on FFA and good advertisement.

Winston Garrett

Musselman, West Virginia

The National FUTURE FARMER shows pictures of machinery and other farm equipment where in other magazines you just read about them and don't have any idea what they look like.

Max Grove

is
YOUTH WILL BE SERVED
 by better farm mechanization



a prime example:

THE NEW FERGUSON 35

WITH 4-WAY WORK CONTROL

Thanks to such engineering strides as the *years-ahead* advances that Ferguson offers to America's farm youth today . . . a brighter, better-than-ever future is assured for our farmers of tomorrow.

Take the new Ferguson "35", for example. Its exclusive Quadramatic Control gives far more accurate hydraulic control of implements . . . *all with the same compact quadrant*. Its Dual-Range Transmission provides a wider-range choice of speeds, "tailored" to the demands of any job.

Two different PTO drives are built in, too—one in ratio to ground speed

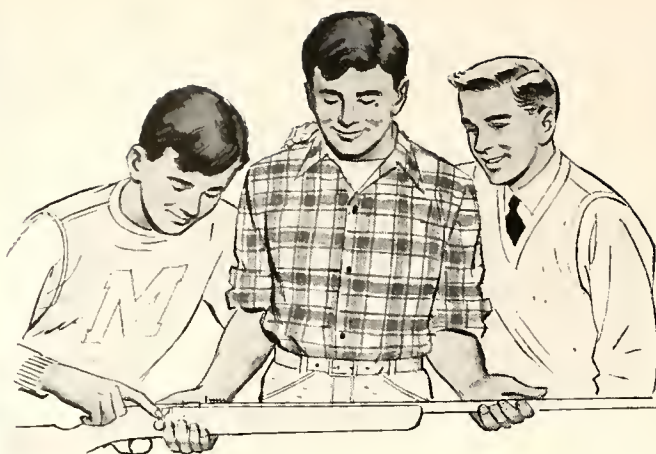
(for raking, planting, fertilizing); one in ratio to engine speed (for forage harvesting, baling, mowing, etc.). And the driver controls *both* tractor transmission and PTO with his left foot . . . and a single clutch pedal.

No wonder the Ferguson is so widely hailed as a Tractor expressly engineered for *youth*. You, and every boy and girl in your area, will want to see this new Ferguson "35" in action. Your Ferguson Dealer will be glad to arrange for demonstrations—singly or through your club—so that you can get the feel of this grand new performer *in person*.

- 1 QUADRAMATIC CONTROL
- 2 NEW DUAL-RANGE TRANSMISSION
- 3 NEW "2-STAGE" CLUTCHING
- 4 THE NEW VARIABLE-DRIVE PTO



go years ahead / **GO FERGUSON**



Now A Young Fellow's Pocket Can Afford it!



SEE the difference! Regular rifling (left) has 6 deep grooves, whereas Marlin Micro-Groove Rifling (right) has 16 shallow grooves. This virtually eliminates usual bullet distortion, gas leakage and decreases barrel erosion.



SEE the difference! Two ten-shot targets fired at 100 yards by a noted gun editor and marksman—(left) with conventional and (right) with Micro-Groove barrel. Marlin Micro-Groove delivers dramatic, proved accuracy increase. Micro-Groove now available in all Marlin bolt, semi-auto and lever action .22's at no extra cost.

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... THE MIRACLE
THAT PAYS YOU AN
ACCURACY BONUS
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Fabulously Accurate Micro-Groove Rifling* in a Marlin .22 Designed for YOU!

Was a fellow's allowance EVER big enough? Ours never was!

With this thought in mind we've taken our sensationally accurate Micro-Groove barrel and built around it a .22 rifle that's 100% bigtime in everything but price.

Just look over this new .22—Model 100—at your Marlin dealer's. We promise—it's your dream rifle at a dream-come-true price. Only \$13.85†.

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MODEL 100

Bolt action single shot with super-accurate Micro-Groove barrel. Shoots .22 Short, Long and Long Rifle cartridges. Beautifully balanced and perfect weight for hiking, only 4½ lbs.

* Patent pending.

† Slightly higher west of the Rockies; subject to change without notice.

THE NAME FOR GAME

Marlin

FINE GUNS SINCE 1870

Reader Roundup

Woodstock, Vermont

My brother and I like your magazine very much and find it very interesting—especially the write-ups on star farmers.

Allan Sawyer

Huntington, Utah

My father, George Justice, takes the FUTURE FARMER magazine, but there is interest in it for the whole family; we really enjoy it.

In the cartoon section I have chosen for one of the four the guy by the name of "Johnnie."

Darlene Justice

Cushing, Minnesota

I am sending in a few jokes, which I hope will be published in the next issue of your magazine.

I received the Spring issue of *The National FUTURE FARMER* magazine a few days ago, and have read most of it already. I am very glad to hear that the magazine will be published six times a year, starting in January. I wish it would come every month because it is very good reading for "Future Farmers."

I would like very much if you would send me an FFA Supply Catalog. Thank you.

Robert Maschler

APPRECIATION OF THE LAND

*I'd rather feel the fresh-plowed soil
Than read it in a book,
Though I don't doubt the author's word*

I'd rather have a look.

*I'd rather see the plants and grass
Growing in the sod,
Than read about them from a book
For they are works of God.*

*I'd rather feel warm, soft rain
Than read of all its wonders,
My heart is filled with ecstasy
To hear the rumbling thunders.*

*I like to think that I'm but one
Who loves the earth this way,
There is a National group of us
We're called the FFA.*

—by Paul Lee



Paul is a Future Farmer in Hennessey, Oklahoma, High School.—Ed.

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Trouble-free operation at sustained, high ground speeds.

Testing New Holland's new Rolabar Rake

280 hours in a dust storm...cooked at 200°F in a furnace

To make sure this rake would operate smoothly, hour after hour, even at tractor speeds of 8 m.p.h., New Holland engineers gave the Rolabar punishment no farmer would likely ever give it.

First, the rake was sealed in a dust-tight room. A trough filled with fine powdery sand from the Arizona and California deserts was placed under the reel. A rubber tire tread was attached to the bottom of the trough.

The sand was raked by the teeth to the far end of the rake; a conveyor belt returned it to the forward end of the reel. The teeth gouged the rubber tread on every revolution as an extra test for ruggedness.

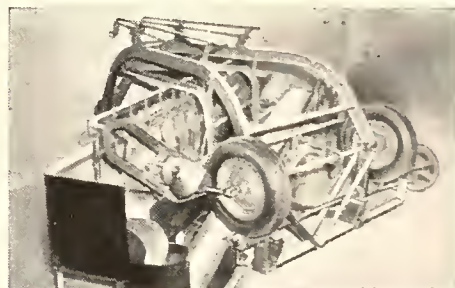
This action kicked up a dust storm no human could live through for more than five minutes. But the Rolabar Rake was going strong

under these conditions after 280 hours—the equivalent of raking 1400 acres at 5 acres an hour without stopping.

Another experiment was to find an effective sealing lubricant for the bearing shaft. It had to stand high temperatures, for some parts of the country swelter under 130° heat in the summer noonday sun.

A tine bearing shaft was placed in a furnace and subjected to temperatures reaching 200°F. The sealing grease New Holland chose retained its normal consistency and effectiveness.

Controlled tests, such as these, and extensive field-testing stand behind every New Holland machine. They're one more reason for New Holland's continued leadership in Grassland Farming. The New Holland Machine Co., New Holland, Pennsylvania.



Rolabar Rake, elevated on stand, is housed in a dust-tight room for test. A ten-horsepower motor outside the room provided power. The reel speed was approximately 100-110 r.p.m.



Bearing shaft after being cooked in a furnace at 200°F proved that the lubricant could take high temperatures as well as seal out dust.

NH[®] NEW HOLLAND "First in Grassland Farming"



MASTER FARMER

By Ken Hieronymus

He never let his handicap dim
his hope for a future in farming.

In fact, it added fuel to the flame.

HE EARNED THE state's highest FFA degree—that of Junior Master Farmer. His fellow Future Farmers chose him as their Chapter president for three straight years. He now owns a 155-acre farm near Harrah, Oklahoma. An outstanding record for Frank Benedix, Jr., a young man of 28—yet that is only part of the story. You see, Frank has neither arms nor legs.

Junior, as he is popularly known, was born with his handicap, but he has never let this dim his hopes and plans for a future in farming. In fact, it has added fuel to the flame. Folks seem to take Junior's handicaps for granted without noticing them. Yet, his spirit and ambition have been a tremendous inspiration to the people of his community.

No hooks or devices are used by Junior. He uses his short arms for all his tasks. He writes holding a pen be-

tween them and eats the same way. He works with tools in a similar manner, and dresses himself. He gets around alone, going up and down stairs, or just about any place any other person can go. The only aid he needs is getting into a car, but he can get out by himself.

Benedix started his farming program with a red-spotted heifer and some New Zealand rabbits. From profits he purchased a registered Duroc sow and when he was awarded his State Farmer degree he owned 64 head of hogs and 20 head of cattle. Today he figures his net worth in farming at about \$10,000.

Junior made all kinds of records in school. Not only was he the most popular boy in class but he was also a top scholar. He was a member of the state honor society his last two years in school and won a penmanship award while still in elementary school. He served as signal coach

on the baseball team. During his three years as president of the FFA Chapter, the Chapter's show barn was built.

An excellent hog showman, as his many ribbons will attest, Benedix can manage his barrow in a ring where 50 to 100 squealing pigs are being shown. His showings include participation in the Ft. Worth Fat Stock Show.

The vigor and ambition that took Junior to the front in school and FFA are still with him in his farming work. His farm is located two and one-half miles east of Harrah in central Oklahoma. He and his brothers, Pete and Jimmy, feed about 30 head of Hereford cattle and 11 head of swine.

Short-handled garden tools enable Benedix to keep the weeds under control and he is able to mix all the feed for his cattle and hogs. Although he needs help to get on and to set the controls of a tractor, once it is started and set, he plows a field with the best of them. He also owns his own pick-up.

One day last year tractors and bulldozers began filling deeply-gullied grassland, reseeding pastures, and clearing brush and timberland on Junior's farm. This Central Oklahoma Soil Conservation field day is sponsored by the Harrah Future Farmers of America Chapter. It is being held annually to show the progress and development of soil conservation practices on a worn-out farm. It is also being used as a demonstration farm for the Harrah Chapter and as a "live laboratory" for vo-ag classes.

The field day was an idea of James Champion, former vocational agriculture teacher at Harrah who is now with the Point Four program in Ethiopia. Champion discussed the idea with local soil conservationists and it was decided to make the field day an over-all five-year program to demonstrate the complete reclamation possible through proper administration of soil conservation and improvement.

Chamber of Commerce officials in nearby Oklahoma City knew Junior Benedix when he used to show his barrows at the Oklahoma State Fair and annual spring livestock show. They wanted to help and did—by serving coffee and doughnuts to the visitors. The Oklahoma City Tractor Club furnished the equipment necessary to work the fields.

It seems that the people whom Junior helped to encourage with his own ambition and fortitude are having a chance to repay him. They don't want people to think they are doing it out of pity. Folks have wasted no sympathy on Junior. He neither wants it nor needs it.

Many people have figured in the success of Frank Benedix, Jr. His understanding first-grade teacher, Mrs. Clara

Reynolds, who, that first day, when Junior and his mother stood in the doorway of the classroom, said a prayer and began to love the young boy, was one of those people.

High school Superintendent G. E. Evans treated him like any other boy and never hesitated to correct when correction was needed. But mostly it was Junior's family, his mom and dad, his brothers and sister, whose patience and unyielding faith were the reasons for Junior's courage and dauntlessness.

Benedix now lives with his parents on an acreage near Harrah. His plans for the future call for a new, modern farm home on his 155 acres. He wants to increase his swine herd and already is planning on 25 acres of pasture from the land cleared during the field day. He would like to make things a bit easier on his mom and dad, and perhaps repay them in a small measure for what they have done for him.

Junior is a remarkable young man. Since he was born without arms and legs it has never occurred to him that any are needed. Friends say he is a well-mannered, extremely well-liked individual who is always smiling and has something friendly to say to everyone he meets. He is a leader and an inspiration in his community.

In the top photo, Junior gets an opportunity to express his appreciation to all who made the field day possible.

Always smiling, he is shown in lower picture whistling as he examines a grass sprigger during the demonstration.



Gullies were filled, pastures seeded and brushes cleared during the Soil Conservation field day on Junior's farm.



Visiting Roger Burkhart, who received first grant, are N. A. Davis, banker, left, and Bob McKay, Chapter advisor.

you and a FOUNDATION

Ever thought about organizing your local support? This Chapter did, and its members are beginning to profit from the results.

A CHAPTER FOUNDATION? Sure. We have one at Walla Walla, Washington, and it's getting several members started in high quality livestock production. Here is the story.

Early in the spring of 1954, several businessmen asked the FFA Chapter how they could help members get established in farming. We gave the matter serious thought. As advisor, I had worked with rotating livestock projects. They have their shortcomings—and possibilities.

After a meeting with the businessmen, we decided to establish the Walla Walla Future Farmer Foundation, with their help. Its objective: help FFA members get established in high quality livestock production. It would also give friends of the FFA an opportunity to help by providing financial assistance.

The first grant was made to Roger Burkhart, who was keenly interested in dairying but needed cows for his dairy

herd. His grant consisted of two registered Holstein heifers. As required by the Foundation bylaws, Roger bought a third heifer. She was financed through the Walla Walla Production Credit Association and purchased from Gene Woodstock, a Yakima, Washington, dairyman. When bought in June of 1954 the heifers were all coming fresh for the first time.

Roger paid off the loan on his heifer by December. He decided to buy three more and again called on PCA to help with the financing, to be paid from milk checks. These heifers were bought from Wylie Holstein Farm at Hermiston, Oregon.

Only a few months ago, Roger was trying to save enough money to buy one cow; now he has a small dairy herd of high-quality animals. The three original cows cost \$1045, so one can readily see how much the Foundation has helped his program. Roger's grant was made from the

George Welch Fund executed by the Baker-Boyer Bank of Walla Walla.

When a member feels that it would no longer be a financial burden, he gives back to the Chapter the same number of animals that he received in the grant. And before a member can receive a grant, his farm must meet certain standards, which insure against failure caused from improper farm conditions. The member is also required to buy an animal of the same value as those given to him, to prove his interest.

Trustees of the bank made two grants available from the Welch Fund. Larry Shelton, who wanted to start an Angus herd, received this second grant. Larry had already purchased a registered cow and calf to start his herd. In August of 1954, Earl Smith, an Angus breeder and former FFA member holding the State Farmer Degree, helped select three outstanding heifers.

About a year ago Larry had only a cow and a calf. Now his herd consists of one cow, a young bull, three heifers, and one steer being fitted for the Spokane Junior Livestock Show. All are registered. The cow and heifers dropped calves this past spring.

A grant large enough to buy two registered breed animals is considered ideal. It combines with one of like quality purchased by the member to make three animals in the grant pool.

While Larry Shelton's grant was being set up, the Sears Roebuck Foundation offered \$500 to set up another deserving member in a beef program. David Burgess was selected.

David needed to improve his small beef herd. He could not sell the animals he had and buy one of better quality. The loss would be too great. But with the money from the Foundation, and with the assistance of Earl Smith, three high-quality heifers were bought. At the same time, David purchased a herd bull prospect from Ragna and Lowell Evans of Walla Walla.

David's present herd consists of four cows, six heifers, one bull, all registered, and three head of grade cattle.

Considerable interest is being shown in the program by friends of the FFA. The Walla Walla Lions Club recently presented \$300 for another grant.



Other help is coming from within the Chapter. Bill Barnett, chapter vice president and a senior vocational agriculture student, recently gave an eight-month-old Angus heifer. Explaining the reason for his donation, Barnett said, "I feel that the FFA Chapter has done so much for me that giving this heifer is a small token of appreciation for the help I have received during my high school career." Bill never missed an FFA meeting during his four years of high school.

The Chapter's supervised farming committee screened applications and selected Harold Ellenberger, a freshman vo-ag student, to receive Barnett's heifer. Attesting to her high quality is the fact that last year, Bill received Reserve Champion honors at the Spokane Junior Livestock Show with his steer out of the same cow. After Ellenberger has met the stipulations in his contract, and has given a heifer of like quality to the Chapter, she will become his property.

Some of the factors used in determining grant recipients are scholarship, citizenship, cooperation, social development, physical ability, home and farm setup, parent and son attitude, financial condition and background.

In evaluating this program, one sees that the dairy program has gone far enough in a few months to allow Roger Burkhart to double his livestock inventory. In the near future this should double his monthly income. In addition, he has established a satisfactory credit rating—important to all young men starting to farm.

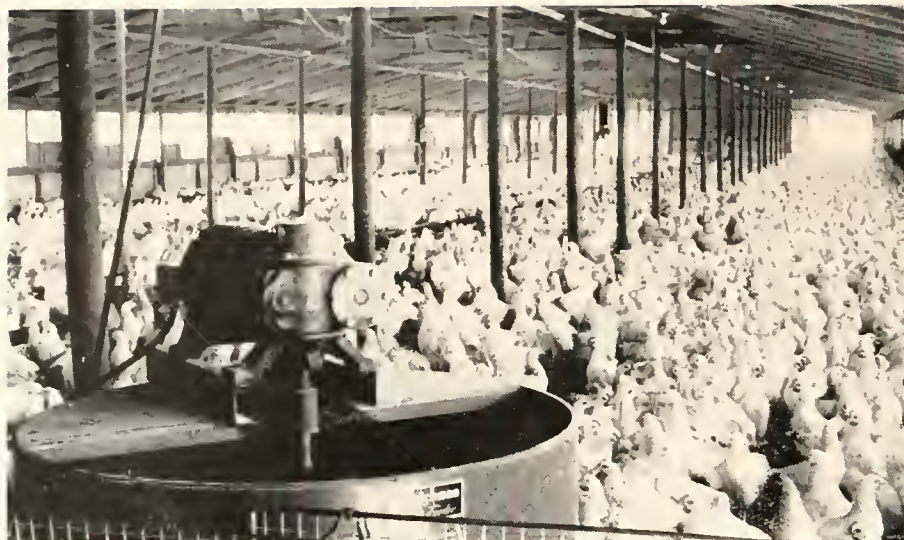
The beef programs have not run long enough to develop a pattern. However, there is a feeling that the participants have jumped ahead three or four years in their programs.

These Future Farmers have a lot of help to insure their continued success. This help, coming from the vo-ag teacher, the donors of the Chapter Foundation and the livestock men from whom the cattle were purchased, gives them little chance of failure.



David Burgess holds the heifer which will improve his herd. Right is Earl Smith, a local breeder and former FFA member.

Angus heifer donated by Bill Barnett, left, Chapter vice president, will start a herd for Harold Ellenberger, right.



Modern housing and automatic equipment make it possible for the poultryman to care for three to four times the number of broilers he formerly handled, or he can cut his labor needs accordingly while handling the same size flock.



This modern, clear span shed contains three general areas—storage, shop and a drive-through area—which make it easy to use while providing ample storage. Today power equipment demands not only shelter but also a place for servicing.

This 12-sow hog house has two sections and is portable through a 14-foot gate. Farrowing stalls are formed by removable partitions. There's plenty of space for bedding, water, feed pans and equipment. It separates to make two sheds.



How not to be a slave

By Robert Rowe

Doane Agricultural Service, Inc.

WHEN YOU GET AROUND to building a barn . . . do you have in mind to make it a pretty one like Granddad's? If you do, you may be condemning yourself to a slave labor camp—or at least to years of extra work. Hard work! And that's an awful handicap for a young man just starting out in farming; especially since it's unnecessary.

Since buildings can't be traded off every few years they tend to become obsolete or unsuitable. So whether it's on your home farm, or the one you're dreaming about, you'll want to keep this in mind and do some extra-careful planning when you add a new building.

You'll want a long-term farmstead plan as a guide toward step by step development. And, of course, you'll want to keep in mind (1) your crop program, (2) your livestock program, and (3) the total investments in buildings these programs will support.

You want a good, sound, attractive farmstead; yet, it's got to be practical. And it should help, not hinder, your meeting the payments necessary, either to get established or expand your program in farming. Your buildings must "work" for you—help you get the job done.

Let's take a look at the "work" that you do. If you're a typical dairyman, count the deep knee bends you do every

week, measure your barn and route your travel, and figure the miles you walk a week. How long does it take to care for your cows? Most dairymen spend 120 hours per cow per year. Is there an easier way, yet that is as good or better? Yes, a well-planned, loose-housing system designed to cut costs not only for construction but from day to day. Many farmers who have installed efficient systems have cut their time to 60 man-hours per cow per year.

Combine these features and the average farmer can cut his labor for the dairy herd in one-half or double his herd.

How about hogs? How many bushels of corn do you handle a year feeding your hogs? How many times do you handle it—once, twice, three times, four or six? At 56 pounds per bushel you're no doubt ready to find a better way.

Only a few years ago one man was plenty busy caring for 25,000 broilers a year. Now 75,000 to 100,000 is not out of your reach. It used to take five or six pounds of feed to get a pound of gain on a broiler—now less than three.

We used to farm with horses; now only a few remain—progress toward more volume per man. Our farmsteads are far behind. Herein lies a real challenge to youth. Your time and effort must be devoted to new methods and not to deep-knee bends and swinging a scoop shovel.

Most livestock farmers now spend about 60 percent of their time at the farmstead doing chores—yes, bending, lifting, walking, scooping and carrying. Do you want to spend your time that way? Would you rather spend it watching ripe grain shuffle up the apron of your new combine? Modern, efficient buildings can free you of a lot of back-breaking work and give you more time to handle a larger volume.

It's that simple—select buildings that fit your needs, that are economical and that help you get the job done and you'll have time not only to handle more land and livestock but for the fishing trip with your kids, too.



Here is modern hay feeder and storage unit for chopped or baled hay which can be added to the system as funds are available. Cattle practically feed themselves. Note the optional drying tunnel for forced air drying if needed.

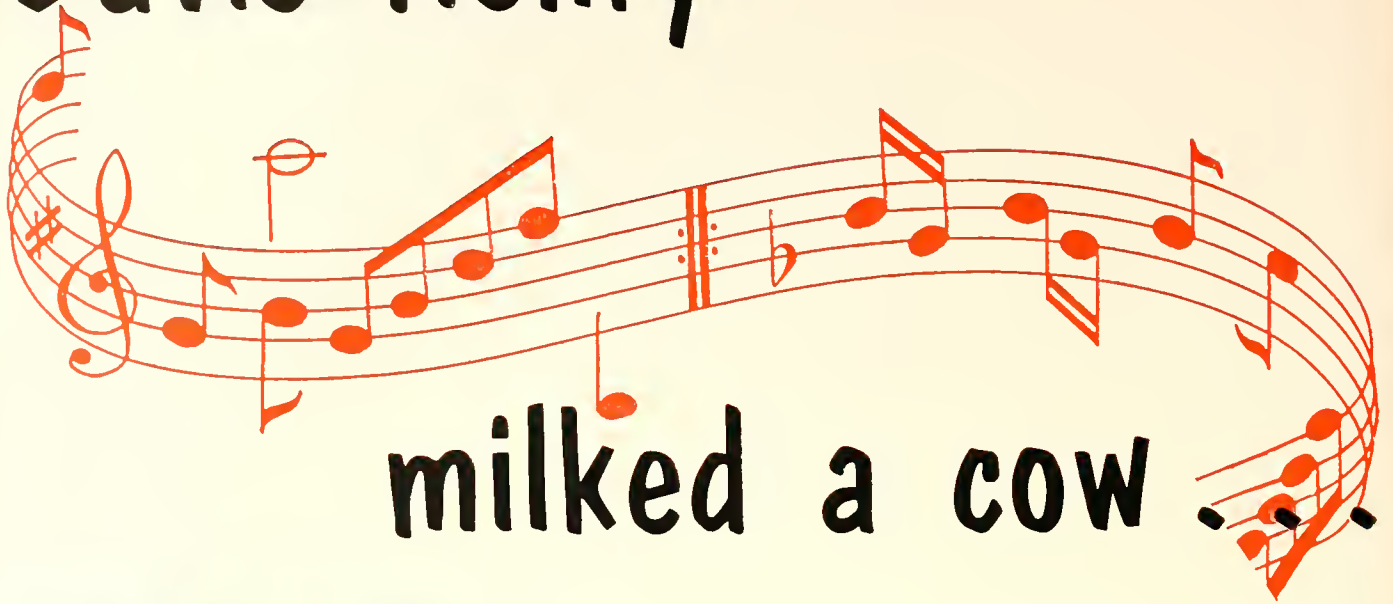


Equipment and supplies stored in this all-purpose shed are readily available. Doors and openings can be placed to suit the particular farm on this economy model, or side may be left open to make it easier to get equipment in or out.

A modern milking parlor is the first key to cutting the hard work of dairying. The loafing barn to the left provides adequate shelter and is cleaned from the tractor seat. Barn at right will be replaced later by new hay storage feeder.

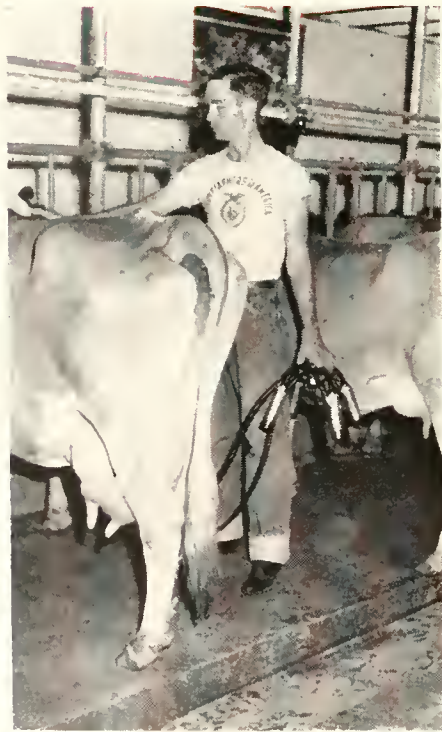


Davis Henry



milked a cow

By John Farrar



DAVIS HENRY MILKED A COW when he was only three. In the 18 years since that time he hasn't quite become a legend, but the records prove he's a good dairy farmer.

This Hope Hull, Alabama, Future Farmer won a \$500 award at the national FFA convention last fall as Star Farmer of the Southern Region. He and his father, working as partners,

operate one of the most modern and efficient dairy farms to be found in the South.

Davis parlayed a 25 cents a week allowance into the beginning of his dairy herd when he was five years old. Saving \$12.50 within a year, he used the money to buy half-interest in a dairy cow. Mr. Davis doubled the allowance each year until, at nine, Davis was

The latest equipment for convenience and sanitation are installed in the milking parlor. He doesn't carry milk by hand; instead, it is carried from the cow to a cooler and a storage tank by glass pipe keeping the bacteria count low.



Davis is shown with part of the dairy herd just before milking time. He is now a 50-50 partner with his dad. When he applied for the American Farmer Degree, milking herd included 182 cows, with 86 heifers and 18 calves for replacement.

getting two-dollars a week, with the understanding that he give a cheerful hand with the farm chores to earn it.

By the time Davis enrolled in vocational agriculture at the Sidney Lanier High School, he had acquired nine registered Guernsey heifers and had \$393.75 in government bonds. The bonds were soon cashed to buy additional cattle.

He graduated in three years, and in that period built his livestock enterprises into a herd of 20 dairy cows, 22 heifers, 21 calves, and 45 head of beef cattle. Mr. Henry offered to merge their farming interests into a fifty-fifty partnership, and Davis was quick to accept the proposition. In recent years Mr. Henry has become almost a silent partner, leaving most of the work and management of the farm up to Davis.

The Henry farm is comprised of 440 acres, with an additional 289 acres of rented farm land. When Davis submitted his application for the American Farmer degree the milking herd had been built to 182 cows, with 86 heifers and 18 calves for replacements.

A new dairy barn has been built with all of the latest conveniences and sanitary equipment. Milk is never touched by hand, but is carried directly from the cow through glass tubes to the cooler and storage tank.

Among other improvements is a trench silo which will hold 1500 tons of silage. Four man-made lakes furnish an abundance of water for livestock and they are well-stocked with fish for family recreation. The lakes will also be used to furnish water for supplemental irrigation planned for the farm.

While other pastures were parching last year due to the drought in Alabama, Davis' cows were enjoying plenty of grazing made possible by good farming practices. When neighbors were

feeding silage because pastures were not furnishing enough grazing, Davis was cutting excessive growth for hay and silage.

The value of the dairy cattle on the farm has been increased by use of high-quality bulls. Dams of the three herd hulls averaged 21,475 pounds of milk and 939 pounds of butterfat. DHIA tests are used to cull all low producers.

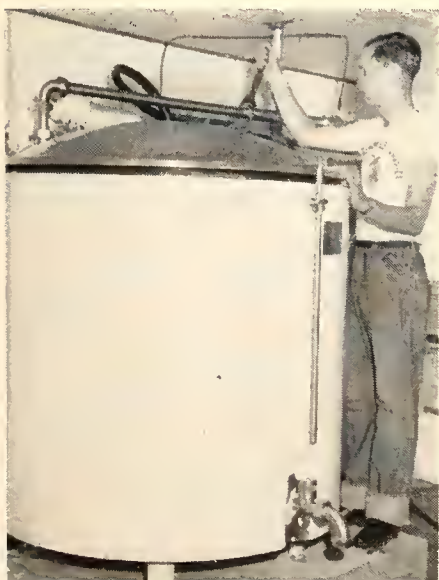
Davis' record of participation and leadership in activities of the Sidney Lanier FFA Chapter fills pages. He has

been vice president and secretary of the Chapter, and served three years as assistant advisor. He was a member of the dairy judging team that represented Alabama in the national contest in 1950.

Davis' appearance at the national convention when receiving his award bore out the wisdom of the judges who selected him as Star Farmer. Neatly groomed and well-mannered, quiet, yet alert, he left the impression of a young man who knows where he wants to go, and how to get there.



Improvements on farm include trench silo which will hold 1500 tons of silage. Shown examining the quality of this grass silage with Davis are his father, J. P. Henry, and his FFA advisor at Sidney Lanier High School, W. C. Locke.



After the milk is cooled, it goes into this storage tank. It will reach the consumer untouched by the human hands.



While pastures were parching in Alabama last year due to the drouth, Davis was cutting the excessive growth in his pastures for hay and silage. He says that good farm practices make the difference. Above, Advisor Locke paying a visit.

Leatherwork is Fun



By F. B. Curry

DURING SLACK PERIODS this summer, you may want to try your hand at leathercraft. This hobby fits almost any pocketbook, and since it goes well with any amount of leisure time, it is especially popular among farm youths. Leatherworking isn't hard to learn, provided you observe one big item—patience!

As a beginner, you may want to start with a belt, watch band or moccasins. Other items include calf halters, bridles, purses, brief cases and the like. Once you are started you will be proud of your work and surprised at how good you are. Some of the items make excellent gifts, too.

Some stores cater to leather hobbyists. Material kits can be ordered for almost any ordinary leather item. Prepared in different ways, they are adapted so that those who do not like to cut and sew may complete the project by tooling, or vice versa.

A best seller is a belt which comes cut and provided with snaps. All the hobbyist needs to do is tool, dye and polish it; then attach the desired buckle and keepers. Another belt is already tooled, with a blank space for tooling your name.

A few dollars will purchase the basic tools: the number two egg-eye needles, No. 10 linen thread, beeswax, sewing awls, a groover, stitch marker, revolving leather punch, skiving knife, and leather knife.

The "stitching pony" or sewing vise can be made at home. You may also create your own designs for tooling dies which can be made from bolts, large nails, and other pieces of metal. Various type buckles, snaps, dyes, waxes and similar items may be purchased as you need them. Leather keepers, or loops, for belts may be made or purchased.

Like any other handieraft, there are a few basic pointers to remember. Plan your pattern before you start and do your experimenting on scraps of leather. Keep your hands clean at all times—you can hardly polish over dirt, grease or grime. Wet the leather slightly before tooling and allow it to become almost dry before you start to work. If you should use a home-made die, see that the indentations are sharp and deep. Above all, start with quality leather.

In sewing, twist three threads together and wax them. Then insert each end into a separate needle. Instead of cutting the threads, untwist and give them a jerk; the fibers will frazzle out, making it possible to thread the needle. Make double stitches by first punching a hole in the leather with the awl, then force one needle through, and the other needle from the opposite side. The hole should be just large enough to accommodate the needle, to insure strength of the leather.

After you've started, what you make and the designs you use are limited only by your own imagination.



All of these tools are important to the leather hobbyist. The tall tool in the holder is a skiver for thinning work and those in hands are dies used for stamping on designs.



Tooling leather is best done on a marble surface, as shown above. Wet leather slightly before starting and allow it to become almost dry. Here he is grooving edge of a belt.



A few of the interesting articles you can make from leather are calf halters, belts, moccasins and coin purses. You'll find material kits can be ordered for most any leather item.

EARING AID for CORN

Everyone who grows corn knows it takes nitrogen to make big, vigorous leaves with good, deep-green color. Green chlorophyll manufactures food from sunlight, air, water and soil nutrients. Right from the start of growth, corn needs nitrogen along with phosphorus, potash, sulphur, calcium and other soil minerals.

But when corn starts silking and filling out ears, it really gets hungry for nitrogen. Proteins containing nitrogen are drawn into the ear from stalks, leaves and roots. By the time kernels start to dent, over half the nitrogen in the plant is already concentrated in the ear. When corn is earing out, it needs as much as 4 pounds of nitrogen per day per acre. To feed corn fast, it pays to use



plenty of nitrogen fertilizer — it's your best earing aid for corn!

Balanced feeding of corn is essential: phosphorus for strong root and ear formation, potash for sturdy stalks and plump kernels, and nitrogen for vigorous plants and big, well-filled ears. Analyze a good stand of corn and you find it contains 5 pounds of nitrogen and $1\frac{1}{3}$ pounds of potash for every pound of phosphorus. Yes, corn needs nitrogen and lots of it. It takes 145 pounds of nitrogen per acre to turn out a 100-bushel crop.

Modern forms of nitrogen now make it easier to feed your corn. Nitrogen Division, long-time leading supplier of nitrogen to the fertilizer industry, now provides this essential element in forms practical to use at any season. You can get nitrogen for fall or winter plow-down as well as for spring or summer use. You can get long-lasting nitrogen, quickly-available nitrogen, or combinations with both these qualities. You can get nitrogen to spread dry, to spray on or inject into soil, or to dissolve in irrigation water.

FOR BIGGER PROFITS, use plenty of nitrogen this year. Get the new, improved forms of nitrogen that save backaches, speed the job of spreading, and build bumper yields at lower cost!

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THREE

STRIKES



FROM A BIG LEAGUER

Bob Feller of the Cleveland Indians has been tossing strikes across home plate since boyhood. Here he throws three more using words instead of baseballs.

DURING THE NATIONAL FFA CONVENTION last year, Bob Feller spoke at the annual Awards Winners breakfast sponsored by the Butler Manufacturing Company. For the benefit of Future Farmers who were not there, we have printed part of his address below. Here is what Bob had to say. . . .

"Speaking before you Award Winners of the FFA, I know I'm talking to a group of big leaguers! The big leaguers of the greatest country on earth . . . and from the greatest occupation, that of farming.

"I know a lot of you are probably snickering because you're wondering what kind of farmer I was, or if I ever was a farmer. Well, I still have a farm; in fact, two of them. One's way down in Texas, but it's a mere 140 acres. However, we still have our farm outside Des Moines, Iowa, in a little town called Van Meter, where I was born and raised.

"Last winter I was making a tour for a packing company and I was over in a little spot in Nebraska talking to a group of farmers. I told them I was born and raised across the Missouri River in Iowa, so that I felt close to all Nebraskans. I also said that it was like being brought up between two hills of corn. When I said that, an old hayseed in the back row started to laugh and said, 'Yeah, another darn pumpkin!'

"One thing I want to impress on you fellows today is the fact that it sure pays to trust and take the advice of your fathers. Let me give you an example of what I mean.

"When I was a young kid in Van Meter, I was trying to mix farming with some ball playing because my Dad owned and managed the local ball club. My Dad was trying to make a ball player out of me and we were giving up many valuable hours which both of us should have been spending on our farm. He often admitted that he wasn't raising many crops, but he was trying to raise a ball player. Then one day he made a great decision! Our local pitcher went sour and there wasn't any other material to draw on. Dad knew that I wasn't hitting so well, so he decided that I should start practicing to pitch because I had a good, strong

arm. He told me that I was wasting my time playing short-stop and that my last chance of success in baseball had to be in the role of a pitcher . . . *or else!* So, I started throwing. And it took me several years to get the idea of how to pitch. Also, it was a matter of economic necessity as far as my baseball career was concerned. I had to start pitching baseball . . . or pitching hay!

"Then came that hot summer day when Dad and I were combining wheat. I was on the tractor and Dad on the combine, when over the hill came the straw-hatted scout for the Cleveland Indians. We didn't even shut off the engines because we were in a hurry to harvest. But after a short conversation between Dad and the scout, I belonged to the Cleveland Indians . . . at the tender age of sixteen.

"And for any and all the success I have had since then, I now acknowledge with deep gratitude my father's decisions and his constant guidance. There are two other things I'd like to throw at you fellows. One is the power of health, and the best way I can explain the importance of health is to tell you that my livelihood right now depends on my physical well-being. If I didn't have my health, I wouldn't be with the Indians, and I wouldn't be standing in front of you now.

"The other tremendous asset in life is character. God gives character to everyone. The point is, does everyone make the most of it? Character is something that should be handled with care; it should be guided and nurtured. Because if we ever lost our true character, we would actually lose our inner-selves. You FFA fellows in front of me are the cream of the crop of youth from all over the United States, Hawaii, and Puerto Rico. Here are strong bodies and God-fearing philosophies that will one day guide and be the strength of this world. As farm boys you have these qualities that no one can take away from you. And if I were to endow you with one inheritance today, I would ask that you share and help build these qualities in others.

"In closing, I give you, the Future Farmers of America, my pledge to continue to spread the gospel of farm living and all of its advantages through the rest of my years."



New McCormick No. 10 heavy-duty cultivator equipped for surface tillage. Overlap of 14-inch sweeps gets all weeds . . . works all soil. Chisel points are available for 10-inch-deep penetration. Cultivator has ample clearance for heaviest trash!

Hold moisture . . . arrest erosion . . .
kill weeds with these
"undercover operators" . . .

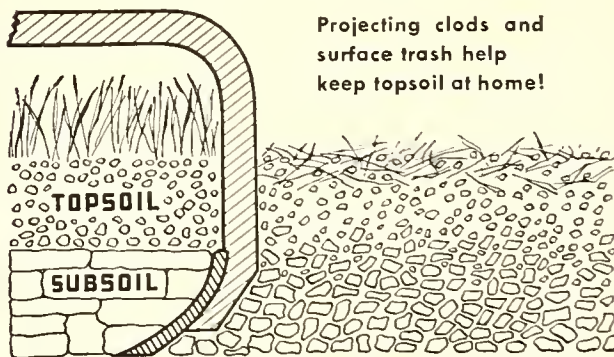
NEW McCORMICK® HEAVY-DUTY TILLAGE TOOLS



Stubble-mulch with the McCormick No. 3 tool bar tiller, equipped with coil shanks and sweeps, to hold soil and moisture. Use it with subsoilers that go down over a foot deep . . . middlebusters for bedding . . . ditcher for irrigation water control . . . even use it as a row crop or wheatland lister!

Holding topsoil between crops . . . hoarding moisture to grow them is easier than ever with these rugged McCormick machines designed for deep, *under-cover* cultivation! They have the strength to rip open compacted soil so each acre can "drink" and hold tons more water . . . so each plant can spread its roots deeper for faster plant growth.

They kill weeds, loosen the soil so it can breathe more deeply, but *scarcely disturb the protective surface cover*. This blotter-like blanket of clods and trash soaks up rain and snow . . . slows evaporation . . . reduces blowing. IH dealers support conservation . . . promote its practice with *regular* McCormick equipment like this!



Projecting clods and
surface trash help
keep topsoil at home!

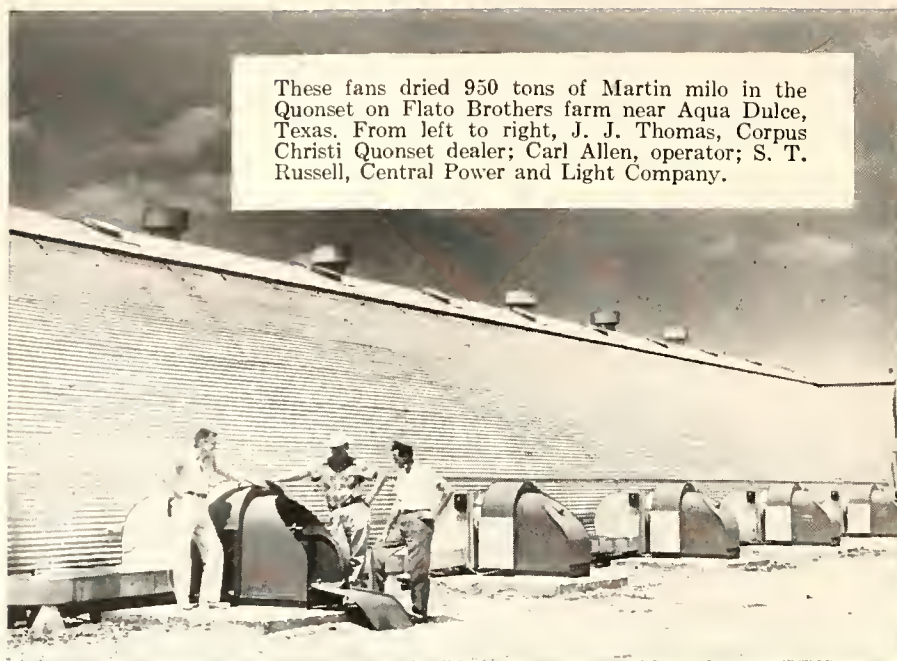
From "tin roof" to foot-thick blotter! This diagram shows how a McCormick cultivator can open up "watertight" ground and bring soil-anchoring clods to the surface, without destroying moisture-hoarding cover of surface trash.



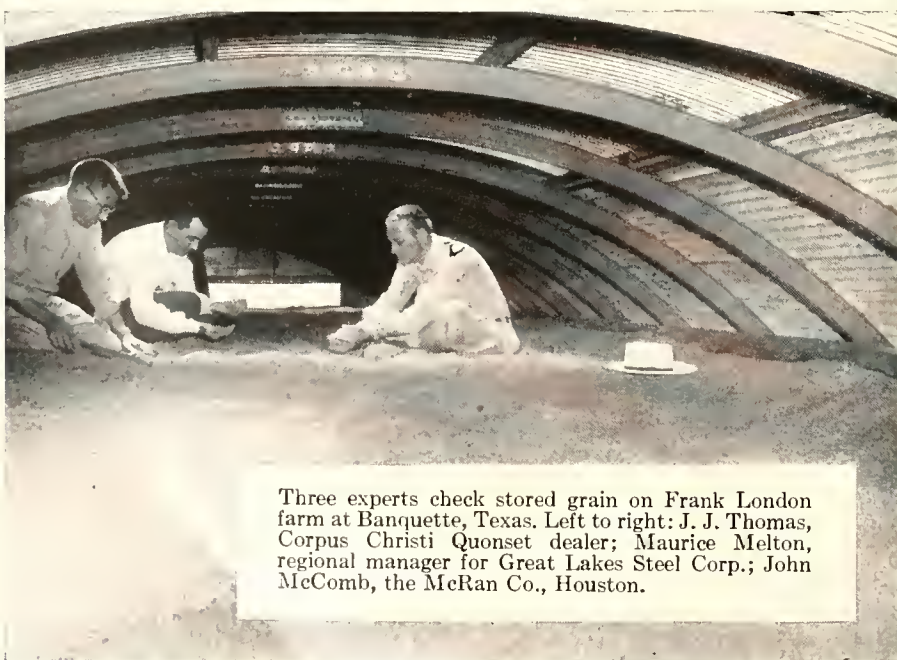
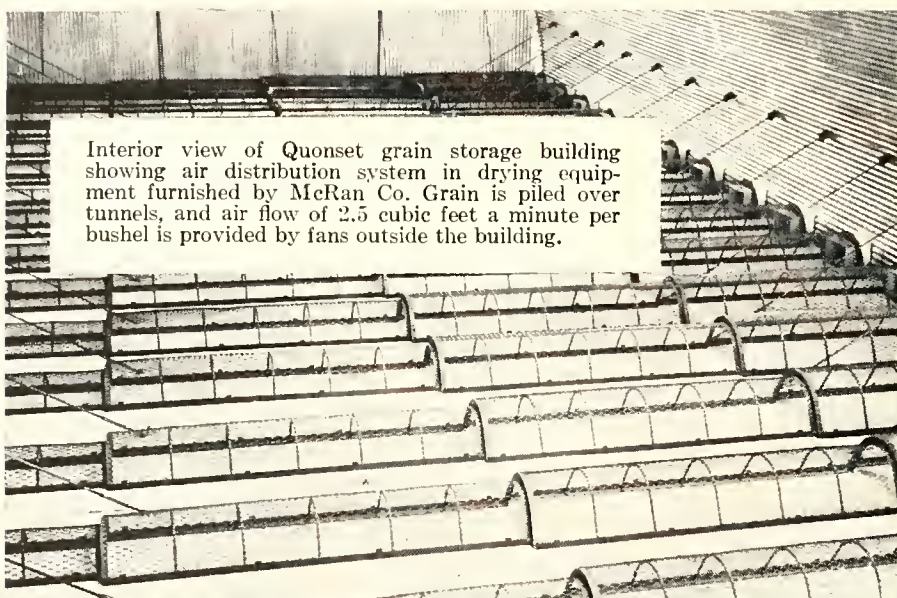
INTERNATIONAL HARVESTER

International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler Tractors and Power Units . . . Refrigerators and Freezers—General Office, Chicago 1, Illinois

These fans dried 950 tons of Martin milo in the Quonset on Flato Brothers farm near Aqua Dulce, Texas. From left to right, J. J. Thomas, Corpus Christi Quonset dealer; Carl Allen, operator; S. T. Russell, Central Power and Light Company.



Interior view of Quonset grain storage building showing air distribution system in drying equipment furnished by McRan Co. Grain is piled over tunnels, and air flow of 2.5 cubic feet a minute per bushel is provided by fans outside the building.



Three experts check stored grain on Frank London farm at Banquette, Texas. Left to right: J. J. Thomas, Corpus Christi Quonset dealer; Maurice Melton, regional manager for Great Lakes Steel Corp.; John McComb, the McRan Co., Houston.

TEXAS—with its usual comments about the biggest and best of everything—might also apply the term of “biggest” to the problem of keeping farm stored grain in condition in the Gulf Coast region. In this area, drying is usually a must, and farmers have taken to the process of drying grain sorghum on the farm with a rush that has amazed the “researchers” and building dealers alike.

Although drying is a successful process with most grains in other sections of the country, it would be hard to find the quantity of a “toughie” like grain sorghum that is being farm-dried in an area of adverse weather conditions, such as found near the Gulf Coast. Until just recently farm storage of grain in this area has been discouraged by moisture and insect problems.

Searching for a solution, extensive tests on drying grain sorghum in different types of buildings have been conducted at Beeville, Texas, under the direction of J. W. Sorenson, Jr., Research Engineer for the Texas A&M College Agricultural Experimental Station.

While contributions to this work

This Quonset 20x84 on Frank London's farm at Banquette, Texas, equipped with a drying system furnished by the McRan Co., was filled with 452,000 pounds of grain sorghum loaded through roof hatches with an auger.



Coastal Plain Dries its Grain

When warm winds sweep off the Gulf of Mexico to blow across Texas and Louisiana, you can practically grab a handful of air and squeeze water out of it. It's a tough area to dry grain in, but grain growers who own Quonset buildings and drying equipment solved their moisture problems.

have come from many sources, considerable support has been furnished by Great Lakes Steel Corporation, and the McRan Company of Houston (South Texas distributors of Quonset buildings).

Experience gained from the past several years of research has pointed up the following principles for successful drying and storage on the farm for this area: (1) Use good, weathertight storage structures; (2) Store clean grain; (3) Dry the grain to 12 per cent moisture content or lower; (4) Use a recommended rate of 2½ cubic feet per minute of unheated air per bushel of grain; (5) Aerate the grain during the storage period; (6) Fumigate for insect control; (7) Check the condition of the grain frequently.

These essentials of drying and storage, along with other technical information concerning design and operation, have been circulated by

county agents, the ASC, electric power suppliers, building dealers and others interested in this particular farm operation.

Since the method has passed from the confines of research to an everyday farm operation, the concern of dealers and agricultural leaders has been that nothing be allowed to happen to give the procedure a chance for failure. New types of equipment and unfamiliar methods of operation always pose problems in any industry.

Checks and double checks are being made on new installations to help the farmer be sure that his grain is dried properly and adequately, and that it remains in condition for this storage year.

The Quonset dealer in this area also recognized the responsibility of several million dollars worth of grain on these farms and has a member of his organ-

ization call on farm drier operators with advice and assistance to insure that best possible results are obtained with the equipment installed.

Grain drying with unheated air in "on farm" storage structures appears to be permanently adopted as a profitable farm operation. There is no question but that experience and research will continue to give all of us new ideas and better ways of doing the job, just as they have affected all other farming enterprises.

Edwin Schnieder, Mathias, Texas, runs the efficient drying system in his Quonset 32x48 from this master control panel at corner of building. Fans can be moved from one duct opening to another. The power cost for drying grain has been under 2 cents per 100 pounds.



There's a Quonset® for Every Job on your Farmstead

Stran-Steel Division

GREAT LAKES STEEL CORPORATION

Ecorse, Detroit 29, Mich.

A Unit of

NATIONAL STEEL CORPORATION



This Quonset on the Harlan Kelly farm, Aqua Dulce, Texas, was built for implement storage. It was converted to a grain drier by installing ducts in the building, with a fan blowing air into them from each end of the building.



This Quonset 32x96 on the farm of J. W. Mayo, Jr., at Taft, Texas, has successfully dried 1,066,000 pounds of grain sorghum to less than 12% moisture for safe storage. Drying used 12,760 kilowatt hours of power, or .072 KWH per bu.



NO SPROUTING

no weight loss in storage!

PRE-HARVEST SPRAY

with

MH-40*



Stored potatoes untreated



Treated before harvest with MH-40
storage growth retardant

Insures top market price for potatoes and onions even after many months of storage...harmless, non-toxic...does not affect quality or yield.

WHOLESALEERS AND CHIPPERS WANT potatoes that will not lose value in storage. When treated with MH-40, potatoes for chipping stay whiter and firmer longer, and lighter chips result. All buyers can safely carry larger inventories.

RETAILERS WANT potatoes and onions that will keep their sales appeal and value on the shelf. MH-40 is the answer.

HOUSEWIVES WANT potatoes and onions that look and taste fresh-from-the-farm. Potatoes treated with MH-40 won't sprout even when stored at home at high temperatures.

GROWERS WANT a crop they don't have to rush to market for fear it will lose its value. MH-40 pre-harvest spray gives this profit protection. It is inexpensive and easy to apply. The time to use it (for potatoes) 14 to 21 days after full bloom. (For onions) one to two weeks before harvest. If your crop is nearing this stage—get MH-40 now! It will produce a crop that will meet the highest standards of buyers, retailers and housewives—and assure you of getting top price at market.

*U. S. Pat. No. 2,614,916

Order MH-40 from your local supplier today. Write, wire or phone us if unable to locate immediate source of supply.



Naugatuck Chemical

Division of United States Rubber Company
Naugatuck, Connecticut

producers of seed protectants, fungicides, miticides, insecticides, growth retardants, herbicides: Spergon, Phygon, Aramite, Synklor, MH, Alanap, Duraset.



On being a STATE PRESIDENT

AMONG DAVID RISINGER'S many privileges as Texas state president are public appearances with State FFA Sweetheart Martha Banks, the brown-eyed, brown-haired beauty below smiling at David's prize Shorthorn. This champion steer, who seems to be eyeing them suspiciously, is part of a herd resulting from Risinger's FFA project work.

Now that David has been serving as president of the Texas Future Farmers, he's delayed his entrance into Texas A & M for a year, but in September he'll continue his agricultural education.

Delegates of thousands of vo-ag students ended the quiet of the Risinger household last July when they elected David president of the Texas Association at their convention in San Antonio. Huge stacks of mail and numerous phone calls kept David occupied, as did the speeches, meetings and other chores that fall to the president of as large a farm youth group as the FFA. David also wrote a monthly column for a magazine.

The president's job climaxed four years of FFA work at Ferris High School where David began with a Shorthorn heifer, a registered Duroc sow and six Hampshire pigs. A constant helper and campaigner for him was his vocational agriculture teacher, M. S. Hammack, who knows even the individual names of all David's cattle, especially his blue-ribbon winner, Whitey.

David has had a big job—and part of it was interesting the public in Future Farmer activities and convincing farm boys that they should stay on the farm.



By L. I. Samuel

Texas FFA Sweetheart and State President admiring his champion Shorthorn.



Most powerful of all!

5-6 PLOW OLIVER SUPER 99 GM DIESEL

Never before so *much* power in a general-purpose farm tractor—a full 72 horsepower on the drawbar, 80 on the belt!*

And all this power comes from a diesel engine entirely different in principle—now offered for the first time in a farm wheel tractor that's factory built.

It's one of the most popular and widely known engine types made—a famous General Motors diesel in use right now by the thousands on more than 750 different kinds of power jobs everywhere in the world.

You can be sure of it—here's *real* power! Because *every* down stroke of every piston is a *power* stroke! That's one important way the Super 99 GM differs from other tractors. And that's why it won't slow up under sudden load changes, why it surges ahead instantly—with amazing smoothness—at a touch of the throttle. Because it's a 100% diesel, operation costs are only a few pennies per acre.

The Super 99 GM Diesel is a new concept in farm tractor power that offers many other design advancements as well—like six forward speeds

...big, flat platform...rubber-spring seat and double-disc brakes—features that increase performance and productivity, and make operation easier and safer.

The OLIVER Corporation
400 W. Madison St., Chicago 6, Ill.

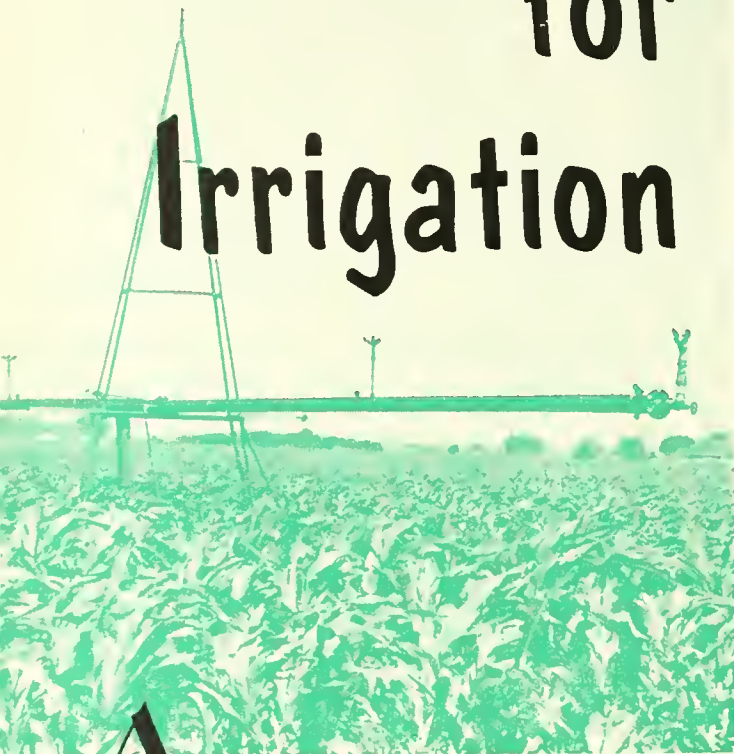
*Corrected horsepower ratings observed during manufacturer's tests.



OLIVER

"FINEST IN FARM MACHINERY!"

New Equipment for Irrigation



A FEW YEARS AGO, irrigation was chiefly confined to the arid west. Today, the situation is quite different. Irrigation is being used all over the country—even in areas of high rainfall. And a host of new equipment is on the market to make it easier and more profitable.

Irrigation equipment today is moving toward better quality, greater durability, and higher investment value. It is a permanent piece of farm equipment and one which will probably be used as long as the farm is operated. Therefore, it should be chosen with caution.

Since farms vary in crops, soil, terrain, weather, labor and water supply, irrigation systems must be chosen to suit these individual conditions. They must be selected with a great deal of planning and foresight. Mistakes can be costly

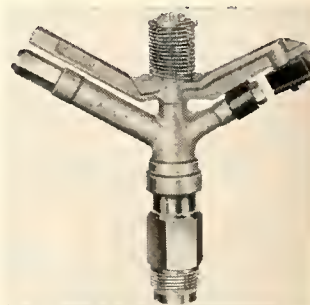
Self-propelled system above is produced by Valley Mfg. Co., Valley, Nebraska. Makers say it will sprinkle irrigate, unattended, up to 160 acres with practically no labor cost. Propelled by water power, 6-inch wheels track perfectly after first round. They move in a circle around the field.



Large use of sprinkler systems on farms began in 1946 when aluminum pipe became available in quantity. Its light weight saves labor in handling, yet it is a high-strength alloy tested to withstand rough handling in the field, and will not rust, say makers. Reynolds Metals Co., Louisville, Kentucky.



Most irrigation pipe will withstand heat and cold caused by extreme weather. It is tough enough to withstand the moving that is required again and again. The connections are strong to keep the system from flying apart under necessary pressure. The Champion Corp., Hammond, Indiana.



Nozzles being offered do a better job and last longer. Left one is for dirty or abrasive water, has fewer wearing parts, says Nat'l Rain Bird Sales & Engineering Corp., Azusa, Calif. Right nozzle comes in seven sizes, with variable speeds, optional grit guard. Skinner Irrigation Co., Troy, Ohio.

—and since the rewards are so great, it pays to heed the most authoritative advice available.

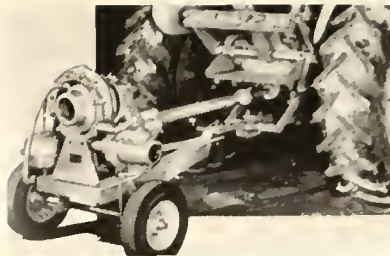
Why is irrigation getting so much attention now? Here is one reason. While crops were burning up during the drouth last summer, the water to save most of them was only a few hundred feet away. Irrigation equipment will bring them together for you and increase both the yield and quality of your crops. It may mean digging a well, building a pond or getting water from already existing sources.

Various plans for financing the purchase of irrigation equipment are being worked out. Minimum down-payment, moderate interest rates, and longer time to pay are points receiving more attention. Also, the Water Facilities Act was amended by Congress last year to include all 48 states. A farmer can now get a 100 percent loan with up to 20 years to pay. Interest rate is three percent and the farmer may include the cost of developing a water source such as a pond or well.

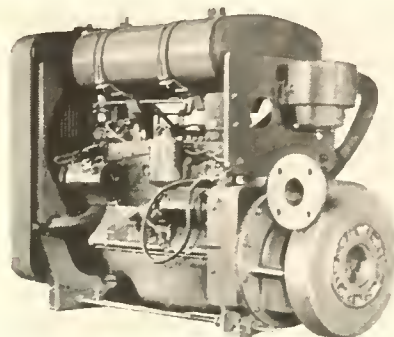
A lot of irrigation equipment is being bought each year. Some sources in industry have estimated that expected sprinkler sales alone in 1955 are around \$80,000,000. A large sum it is true, but in 1954 drought damage totaled \$120,000,000 in just one state.

If you are considering irrigation for your farm, keep in mind that irrigation can and should be presented as a production tool and not as a mere drouth insurance measure. But here is a word of caution—don't jump into irrigation before you are ready for it. Go see your neighbor who is using it. Talk to the local agricultural agencies about the use of irrigation in your area. Find out what the cost per acre will be on your farm to get a source of water and buy the necessary equipment. Also, look into the labor requirements and maintenance needs. Then decide what the increased income derived from irrigation would be. The difference between cost and increased income will tell you whether or not irrigation is for you. It usually boils down to two main considerations: The available water supply and the amount of income to be gained from irrigation.

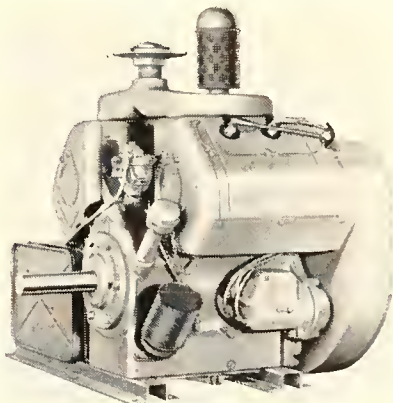
The accompanying pictures show a glimpse of some irrigation equipment now being offered the farmer by various companies. Many of these companies will have the equipment on display at the Centennial of Farm Mechanization at Michigan State College, East Lansing, August 15-20. In addition to the irrigation equipment, the Centennial offers the most comprehensive exposition of past, present, and future mechanization of agriculture ever to be presented. It covers 60 acres of Michigan State campus and has \$20,000,000 of exhibits presented in a World's Fair atmosphere.



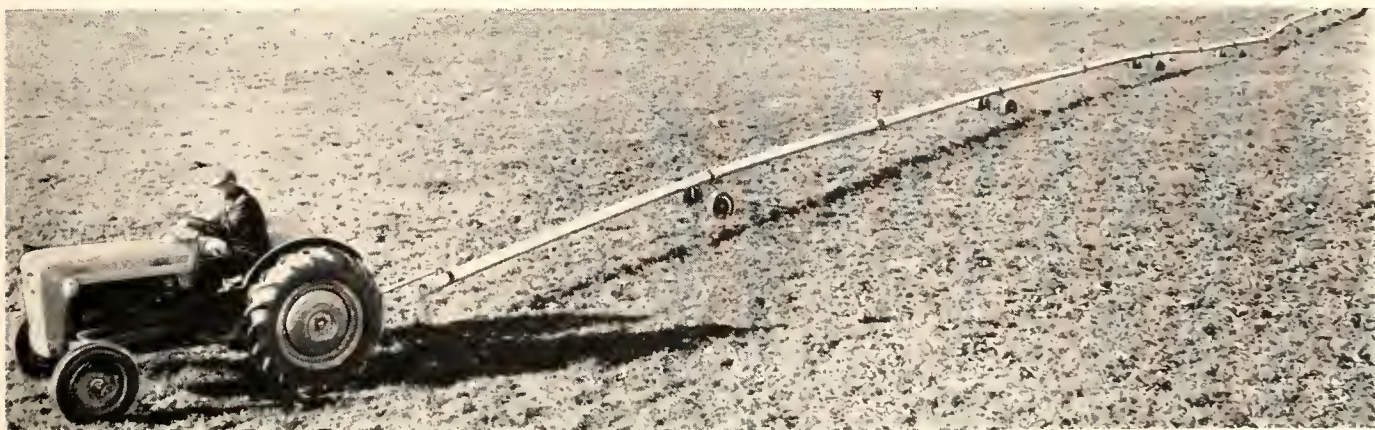
Some 90 percent of farm tractors are suitable for pumping service. This PTO-driven pump is for sprinkler irrigation and is announced by the Gorman-Rupp Co. of Mansfield, Ohio.



Water source may be pond, lake, stream or reservoir for four portable pump units offered by Aurora Pump Co., Aurora, Ill. Gasoline or diesel powered for sprinkler units.



Some engines for irrigation systems are equipped with low oil and high temperature cut-off switches, optional on this one by Wisconsin Motor Corp., Milwaukee 46, Wisconsin.



A new method of moving sprinkler irrigation lateral lines by tractor has been announced by R. M. Wade & Company, Portland, Oregon. Called "Power Shift" it changes settings in two brief lateral moves across the field, the company says.

Coupler in a portable system must be positive and sure, yet must couple and uncouple with speed and hold up under field handling. This one made by Champion Corporation.





The Courageous Pitcher

Windy pitched as if each windup would be his last. His face was screwed up with pain, knowing that he would never go 9 innings.

By Leo Guimond

THE MANAGER sat behind his desk with his elbows resting on it. His fingers formed a V in front of his long, pointed chin. His gray skin was stretched tightly across his face like old parchment. His voice was flat and metallic.

"One more thing, Shane," he finished. "Now that you are a member of the Redskins, I warn you that I will

not tolerate brawling! Try to remember that you are playing for the best team in baseball! We win our games by playing, not umpire-baiting."

Windy felt his brick-red face grow hot. He pushed his unruly red hair back from his forehead and opened his mouth. Then, he remembered that this was his last chance and remained silent. A wave of Frazee's hand dismissed him.

He shut the door very gently. His

square face was set in a look of bitterness. Windy debated with himself whether he should tell Frazee off. But he knew he wouldn't. He knew that if the Redskins cut him loose, no team in the league would give him another chance.

He slowly rubbed his arm. There was no answering twinge and he hoped desperately that the old wing would last long enough to finish the season. With



They're **New**
 —they're **Tricycles**
 —and they're **FORDS**



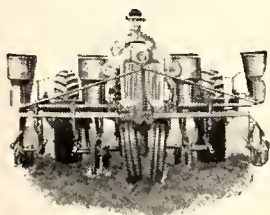
**NEW! Power Adjusted
Rear Wheels**



**NEW! High Crop
Clearance, with Safety**



**NEW! Tailored Traction
with exclusive
Vari-Weight System**



**Both 2- and 4-Row
Planting and
Cultivating Equipment**

You have perhaps wondered what would happen if Ford engineering skill and long experience went all out to build really new, really better tricycle tractors. Now you can find out!

Here, for the first time, are tricycle tractors built by Ford...in two power series. Both fitted for 4-row and 2-row front-mounted cultivators and planters and for 1-row and 2-row mounted corn pickers and harvesters. One series with full 3-plow power, the other with full 2-plow power.

A new combination of *high* crop clearance and *low* driver seat makes

these tractors the safest as well as the *easiest* handling tricycles ever. There's an ingenious Vari-Weight System of wheel and front-end weights available to give true "Tailored Traction."

Enough other great features to fill a book! And this book is waiting for you at your nearby Ford Tractor and Implement Dealer's. Drop in, ask for it and have a good look at Ford's new Tricycle Tractors soon.

TRACTOR AND IMPLEMENT DIVISION
 FORD MOTOR COMPANY
 Birmingham, Michigan



**700 SERIES
Full 2-Plow Power**

Ford Farming
 GETS MORE DONE...AT LOWER COST

his beefy shoulders drooping, he crossed the corridor and opened the dressing-room door.

Lee Crocker, the Redskin's catcher, was the first to see him. His lean, dark face blackened with an intense look of dislike. He called out, "Here he is! Old Sore-arm, himself, along for a free ride!"

The room was suddenly quiet. The Redskins froze in various stages of dress. The only thing they had in common was a face devoid of all friendliness.

Windy Shane stared back at them. His eyes swept them all and he returned look for look. Then he dropped his eyes and looked around for an empty locker.

The Redskins were momentarily taken

aback. They hadn't expected that from the league's leading Redskin baiter. They looked at each other uncertainly. Then Stretch Montague thrust his face into Windy's.

"You're not here because we want you, Loudmouth!" he said. "Remember to keep that big mouth of yours shut and nobody'll bother you. Open it once and you'll get it shut for good!"

He waited a couple of seconds for an answer. But Windy merely turned back to this locker and with a red face continued undressing.

Stretch turned to Tony Vale, the hot corner guard, and sneered, "Looks like he's not so tough when there's nobody to break it up!"

Windy heard one of the rookies ask what this was all about.

"The great Shane's got a bum arm and he's coming along for the ride," the catcher told him. "But if he thinks he's cutting into the Series dough, he's got another think coming!" There was no question of whether or not they would win it again this year. They were the great Redskins, the world champions. They simply couldn't lose.

Windy smiled grimly to himself. He knew that the Redskins were the best team in either league. But although they hadn't realized it themselves, something had happened to them. They had turned out to be a bunch of prima donnas who were playing because the schedule called for them to do so.

He sat out in the warm sun in the bullpen. He gingerly rubbed his arm. It hadn't bothered him for a week now. But he knew that the slightest strain would send those pains shooting through his shoulder. His days as an active player were numbered and he was resigned to it. But it hurt him to be greeted like this after the years he had put in trying to win for whichever team he was playing for. The trouble was, he had too much of a competitive spirit. He played as if every pitch was his last.

Some of the bleacherites started ribbing him. He took it good-naturedly and was puzzled when the player next to him sent annoyed glances up to them.

This was the second of a three game series with the Oilers. Dick Messner started for the Redskins. The canny veteran had them eating out of his hand for three innings. Then an Oiler sent a screaming double out to left center. The next batter sent him home with a single to right to put the Oilers one run ahead. They were playing percentage ball and one run was a lot to them. They knew how to hold a lead.

The next Oiler struck out and that was all until the seventh. Then, with none out, Messner walked Gumbert. The next batter interfered with the catcher just long enough for Gumbert to steal second. It was a clear case of interference but no beef came from the Redskins. They accepted it as one of those things.

The telephone tinkled and Mitch Dennis, the bullpen catcher, answered it.

Worn in the West... since 1850

You'll really go for the true Western cut of LEVI'S—low on the hips, slim in the legs. And you'll be amazed how LEVI'S wear! For hard work or hard play, get LEVI'S—the original Copper-Riveted blue jeans!



When the West was young, daring riders
in LEVI'S carried the mail by Pony Express!

LOOK FOR THE RED TAB ON THE BACK POCKET . . .



® THE NAME LEVI'S IS REGISTERED IN THE U.S. PAT. OFF. AND DENOTES OVERALLS AND OTHER GARMENTS MADE ONLY BY LEVI STRAUSS & CO.



"It's a real country home. There's an old well around someplace."



A whole new fleet of all-new haulers, ready for your job right now!

CHEVROLET'S NEW LINE OF TASK-FORCE TRUCKS

Altogether new! New models . . . more models . . . higher G.V.W.!
There's a handsome new Chevrolet truck for your farm hauling job!

Here's what happens when America's leading truck builder pulls out all the stops! Here are trucks that are new from the drawing board out!

NEW STYLING IN TRUCKS

Fleet, functional styling that fits your job! For the first time in any truck line, *two* distinctly different styling treatments are offered—one in light- and medium-duty models, another in heavy-duty models. You'll take pride in the modern, efficient appearance of your handsome new Chevrolet Task-Force truck.

A NEW OUTLOOK FOR THE DRIVER

The completely new Flite-Ride cab

is everything a driver could wish for, from its big Sweep-Sight windshield to its concealed Safety Step that keeps clear of mud or snow!

6 NEW "HIGH VOLTAGE" ENGINES

With a new 12-volt electrical system for quicker, surer cold-weather starting, increased generator capacity and finer engine performance—plus a long list of other advances. They're the smoothest, quietest, most powerful Chevrolet truck engines ever built!

AND MUCH MORE THAT'S NEW

Like the smoother, load-steady ride . . . new High-Level ventilation . . .

tubeless tires, standard on $\frac{1}{2}$ -ton models . . . Power Brakes* for all models, standard in 2-ton models . . . new 18,000 lbs. max. G.V.W. in 2-ton models. And there's a new, wider choice of transmissions, including new Overdrive* and Hydra-Matic*. New Chevrolet Power Steering* available, too.

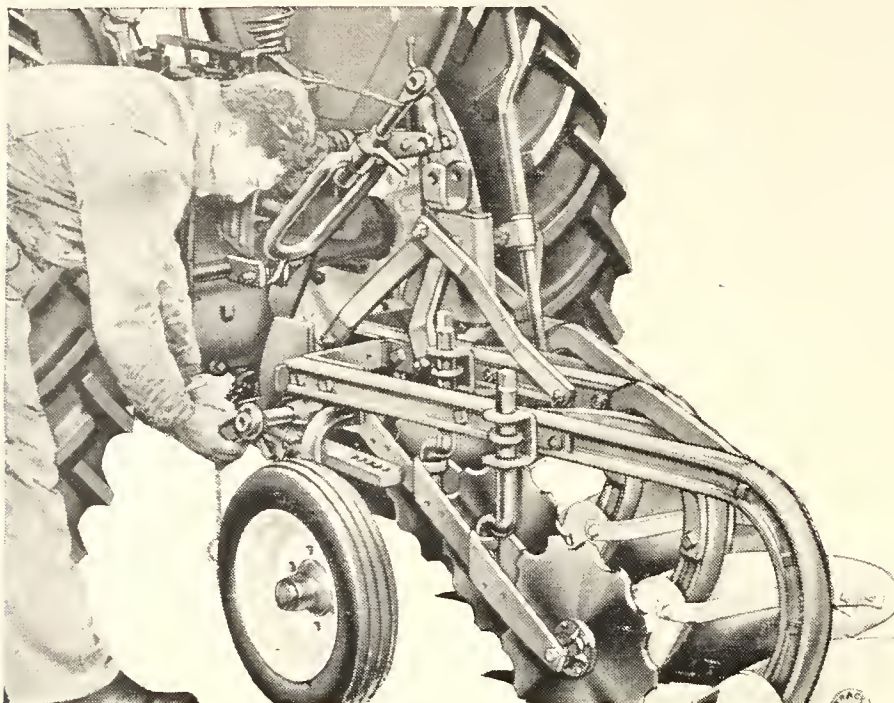
See the newest things in trucks at your Chevrolet dealer's now—new Chevrolet Task-Force trucks! . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

*Optional at extra cost. Overdrive available on $\frac{1}{2}$ -ton models, Hydra-Matic on $\frac{1}{2}$ -, $\frac{3}{4}$ - and 1-ton models.



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No jockeying to line up attaching points. No tugging or shifting. No re-starts, regardless of the angle or slope to the ground. Wrist-action takes the usual need for precision out of positioning the lower links — extreme accuracy is never required. You make fast, safe, power-assisted hook-ups the first try . . . anywhere. And you do it with a wide variety of implements designed for 3-point attachment.

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He said, "Okay!" and motioned for Windy.

Windy started to warm up. He threw the ball easily and felt the strength surge into his arm as it loosened. He looked at the field and saw Gumbert go to third on a long fly to left.

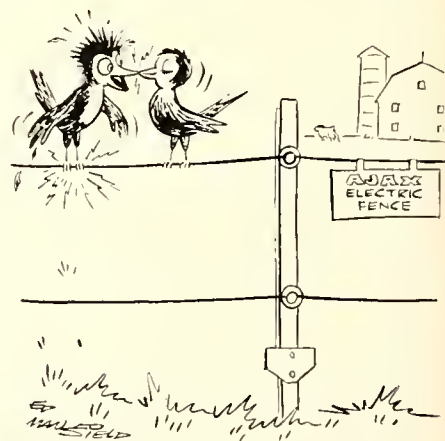
Messner must have become unnerved because he threw four straight balls to the next batter. It was then that the bullpen phone rang again. Mitch Dennis, "On your toes, big shot!"

Windy got the ball and took his time about getting ready. He looked around the infield and motioned Tony Vale to play closer to the bag. He knew that the next batter was a dead left-field hitter. Vale glared fiercely at him and kicked a clump of dirt. But he moved closer to the bag.

Finally, Windy was ready; he faced the batter and waited for the catcher's sign. He shook off the signal for a fast ball. He knew the Oiler would murder that. He sent back the sign for a low inside pitch.

The catcher immediately called time and came out halfway. "Listen wise guy, Fraze calls everything here! Give me what I call for because it's coming from the bench!" He turned his back and went back to his position.

Windy shrugged his shoulders and fired the ball on a line across the front of the batter's shirt. He laid the wood into it and sent a long, towering fly that was pulled down after a hard run. The runner tagged up and come in after the catch.



The next man threw away a bat and stepped up waving a black piece of lumber. He grinned at Windy and took his stance.

Crocker, the catcher, called for another fast one. A stubborn streak made Windy shake it off. Immediately Crocker came out and started in on Windy.

This time Windy was ready for him. "Go on back!" he said. "I'll pitch my own game!"

Crocker turned and made a sign towards the bench. Leo Johnson, the



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third-base coach, came out of the dug-out and walked out to the mound. He took the ball from Windy and said, "That's all for you!"

Windy fought back a surge of hot anger. He knew it wasn't fair. They weren't giving him a chance. Just in time, he remembered himself and walked off the field.

He was sitting in front of his locker when the rest of the team filed in. They ignored him but he knew the remarks were addressed so that he couldn't help but catch the meaning.

Stretch Montague said, "On top of a tough fight with the Oilers, we got



Windy checked a hot answer and turned back to his locker. He sighed wearily. "What's the use," he thought.

Fraze appeared out of nowhere and called him into his office. There was a stranger with him. He was a slightly-built man with a ruddy complexion. His temples were sprinkled with gray.

Fraze fastened his unblinking eyes on Windy. "I'm disappointed, Shane!" he said, flatly. "I expected better stuff from you! You know that a team can have just one leader! I do the thinking for this team!"

He paused to let it sink in. Then he continued, "I was about ready to give up on you, but Mr. Standish"—he indicated the stranger with a sweep of his arm—"thinks you might still be able to help us."

Windy looked over at Standish. He didn't know whether to thank him or to tell him to keep his job. But he found himself looking into a pair of friendly eyes that held the hint of a smile. So this was the team's owner.

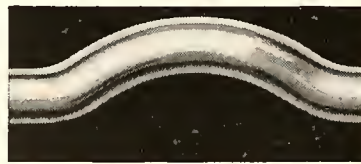
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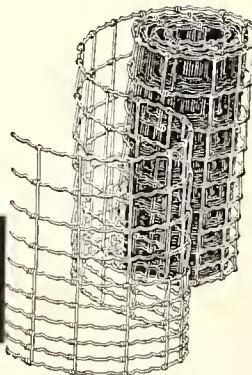
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Fraze's flat voice continued. "I hope that in the future, you will remember that I am running the team." He gestured with his arm in the dismissal sign.

In the dugout the next day, Windy noticed that Standish sat in the far corner and, although he didn't say anything he didn't miss a thing that went on.

This game wound up the series with the Oilers. Windy sat back in the bullpen and watched the Mexican fire-baller, Manny Salva, blaze his bullets across.

They went into the sixth in a scoreless tie. Manny Salva was throwing streaks of light at the Oilers and they were hitting plenty of air.

Suddenly, out of a clear sky, Salva blew up. He walked three straight men and forced in a run. Leo Johnson came running out of the dugout and the bullpen phone rang.

A player turned to Windy and said, "They want you!" There was no wisecrack this time. His eyes held a curious look in them. It seemed as if he wanted to say something but thought better of it.

Windy made the long walk thinking bitterly to himself, "This is good! Not even time to warm up!"

The batter faced him. Windy pitched carefully and worked the count to three and two. He stood on the mound rubbing the ball between his hands and then suddenly blazed a third strike past the plate.

The Redskins got the run back in their half of the inning. But that was all until the ninth.

Windy managed to warm up some while the home team was at bat and held the Oilers hitless all the way. In the last of the ninth, Stretch Montague parked a three and nothing pitch in the right field bleachers for the game. Windy had credit for winning his first game with the Redskins.

Later in the dressing room, the raspy voice of Tony Vale made itself heard above the low hum of voices. "Tough luck, Manny," he was saying. "It's no fun to pitch your heart out and then have a bum like that come in and get credit for the win!"

Windy dimly heard the Mexican mutter an answer. He suddenly found himself on his feet facing the astonished Redskins. He was shouting, "That's the trouble with you prima donnas! You worry too much about who gets credit for the win instead of which team wins! You bums'll be lucky to wind up in the first division unless you snap out of it!"

He heard harsh breathing behind him and turned around to see who it was. He was just in time to take a terrific punch that landed on the side of his head. He landed with his back bent over the chair in front of his locker. He slipped to the floor and looked up through swimming eyes into the set face of Stretch Montague.

"Get up, you loud-mouthed bum!" the big first baseman was saying. "Don't say we didn't warn you!"



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Windy struggled to his feet. When he regained his footing, he stumbled and another right hand hit him in the mouth. He moved back in and Stretch belted him in the stomach with a murderous left.

This time he lay there gasping for breath. The intense pain had sucked every bit of strength out of his body. He struggled mightily to move but he might just as well have been paralyzed.

Stretch Montague sneered down at him. "I thought so!" he growled. "He's as yellow as a hound when the chips are down!" He turned back to his locker.

Not a word of sympathy was said to him. However, the young rookie second baseman stared hard at Montague's back and then bent down and helped Windy to his seat.

Windy stayed in the shower for a long time. He wanted to be sure that every Redskin had left the dressing-room.

He finally finished dressing. Every breath sent a fresh pain through his tortured side. Gradually he began to feel a little better and closed the door of the locker room.

Owen Frazee's door was open. Windy didn't mean to eavesdrop but he heard his name mentioned and couldn't help pausing.

"I tell you, Mr. Standish, he's going to give us more trouble than he's worth," the manager was saying.

Standish's low voice answered him. "I still think he's entitled to a chance."

"All right, if you say so," came Frazee's answer.

The next afternoon, Frazee was waiting for him. "Shane, I warned you that I wouldn't tolerate any trouble making on this team! That fight you had with Montague will set you back fifty dollars!"

Windy was too befuddled to answer. By the time he had recovered, the mummy-like manager was striding through the door.

Windy looked slowly around the room. He surprised a few grins on the faces of his team-mates. He let his breath out in a long whistle and sat down, shaking his head and grinning wryly. He muttered to himself, "Every thing I do kicks me in the face. I'm through being a good boy! From now on, I'm Windy Shane!"

He waited until the team had left the room before he undressed. His body was tightly taped and he didn't want to add any more fuel to the fire. When he went out, he found Frazee waiting for him.

"I expect you to be more prompt!" the manager said. "You will start in today's game with the Steeler!"

Windy laughed harshly in his face. The manager's snake-like eyes glittered when Windy replied, "So this is the chance you're going to give me. Mighty

generous of you. It might be fun if I were to make good. You'd have to think up another excuse to get rid of me then, wouldn't you?"

The Steelers caught sight of him and started in on him. Their long ball belter hollered, "That arm better be good, Chowderhead! If it ain't we'll belt you out of the lot!"

This was something that Windy could get his teeth into. He yelled back, "You couldn't belt it out of the infield if I didn't have any arms, you big tramp!" He laughed uproariously when the player shook his bat at him.

Behind him, he heard a chuckle. He looked around in surprise. It was Scat Logan, the rookie shortstop.

Logan clasped his hands together and his keystone partner, Mike Pulani, yelled, "Give it to 'em, Windy! Never mind the foul balls behind you!"

Windy spat in the dust at his feet and faced the first Steeler. The lead-off man wasn't past sticking an elbow into the ball. His code was to get on base in any fashion.

Windy took a full wind-up and grooved the first ball across for a called strike. His face screwed up with the pain that this pitch caused. He knew he'd never be able to go nine innings today. But he made up his mind that he'd make the Redskins remember him before the day was out.

He heard the two rookies talk it up behind him as he wiped the cold sweat from his brow. He took his time fooling around with the rosin bag. He made the Steeler rap a sharp grounder to Logan who threw him out by six feet.

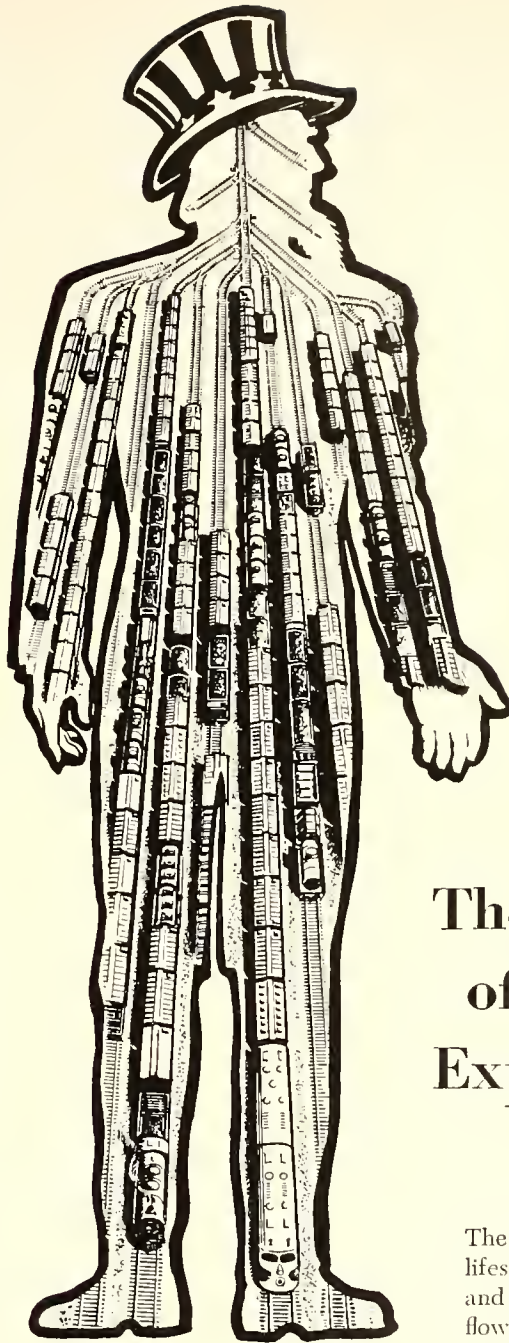
The ball was whipped around the infield and Logan handed it to Windy. He noticed the drawn face on Windy and asked, anxiously, "What's the matter? 'Arm botherin' you?"

Windy smiled wanly and nodded his head. Each pitch took more out of him than he wanted to think of. He faced the next man and made him pop up to third. The third man caught a slow ball and sent a screaming drive off the end of his bat. There was a sudden rush and a leap near second base and the rookie came down with the ball grasped firmly in the webbing of his glove.

Windy breathed a prayer of relief. He knew, though, that this kind of luck couldn't go on. Sooner or later, the Steelers would get to him and then it would be curtains for Windy Shane.

The Redskins went down in order and Windy was out facing the Steelers once more.

He shook off Crocker's sign for a low fast ball. Immediately the catcher strode out halfway to the mound and shouted, "You know the signals! What are you trying to do—second guess?"



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The larger part, by far, of the great lifestream of goods that helps keep you and your country strong and vigorous flows through the nation's vital arteries of transportation — the railroads. And this is done with unique economy in manpower, fuel, and other materials.

Perhaps the most remarkable characteristic of these rail arteries is their inherent ability to expand their capacity more readily and with greater economy than any other form of transportation — particularly in times of national emergency. The secret, of course, lies in putting more tons in the cars and more cars in the trains.

But if the nation is to have the full benefit of these advantages, the railroads should have greater freedom to adjust their rates and services promptly — greater freedom to compete with other forms of transportation on an equal basis.

Association of American Railroads

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National Farm Safety Week
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Windy shouted right back, "Get back where you belong, you phony! I'll pitch my own game!" He made a motion as if to bean Crocker with the ball and the lanky catcher hurried back to his position after sending a helpless glance to the Redskins' dugout.

Windy glared at the dugout. He saw Frazee make a sign to Leo Johnson but before the third base coach could act, he heard George Standish yell something at Frazee.

The manager sent a puzzled look towards the owner but signalled Johnson to stay where he was.

Windy pitched carefully. His side was like a giant toothache. He worked

the count to three and two and then abandoned all caution with a blazing fast ball that brought him right down to his knees. The Steeler swung futilely and with a grin, stepped away from the plate.

The next batter was a power hitter who could break up any ball game. He calmly took the first two for called strikes. Then he tied into the next ball and sent it on a line far over the second baseman's head. Smart fielding held it to a triple.

Windy walked around the mound. He fiddled with the rosin bag and then took his position. Suddenly, he stepped off the rubber and fired the ball to

third. It caught Tony Vale off guard and went to the left field bleachers before it was recovered.

As the runner tagged home plate, he yelled to Windy, "Don't take it so hard, pal! Don't forget you're with the champs now!" His jeering laugh followed him all the way in to the dugout.

Windy struck out the next man, however, and the side was retired when the next batter hit a slow grounder down to first for an easy out.

Windy discovered Scat Logan sitting next to him on the bench. The fiery young rookie gripped Windy's arm and stared at him. "You'll kill yourself!" he said. "Why don't you quit while you've still got something left?"

But Windy shook his head, "I'll make out! Don't you worry about me!"

The next few innings passed like a nightmare to Windy. He faced the Steelers in a daze. By now, his whole body was numb with pain. Once, after fielding a bunt, he stumbled and fell. When he got up, he saw Leo Johnson standing there. The third base coach put out his hand for the ball and said, "Call it a day, Windy!"

Windy snarled, "Get out of here! This is my game and if you and that walking corpse try to stop me, I'll take a bat to you!"

He was sitting in the dugout, trying to focus his gaze on the scoreboard when Scat Logan nudged him and said, "You're up next. Grab a bat and get out there."

Windy asked him, "What's the score?"

Scat gave him a peculiar look and answered, "They've still got that one run on us."

Windy swung his bat at the first ball. He felt the wood bite deeply and he instinctively knew it was a solid wallop. He staggered around first and managed to get to second standing up. He looked around and waited for a sign from the third base coach. His legs felt like they'd buckle any time. He took the sign for a hit and run and took off with the pitcher's arm.

The next Redskin placed a ball down to second and the play was at first. Two out and Windy on third. The fans were beginning to get excited. Windy could hear them through the roaring in his ears.

Mike Pulani dropped a slow roller to short and Windy legged it for home.



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He saw the Steeler's catcher blocking off the plate. Just as he set himself for the ball, Windy left his feet in a long dive for the plate. He crashed headfirst into the catcher and blackness swept over him.

He came to just as they were laying him on the bench in the dugout. He tried to struggle to his feet but a harsh voice grated in his ears, "Lay down, you stubborn fool! If this game means so much to you, we'll save it for you!"

Windy looked up into the admiring face of Stretch Montague. The big first baseman let a sheepish look sweep over his face, and then he thrust out his hand as if afraid Windy would bite it. "Will you shake hands with a prize dope?" he asked.

Windy suddenly felt more tired than he'd ever been. He smiled and gripped the horny hand in front of him.

Seat Logan walked and Stretch said to Windy, "Here's your game, feller!" He strode to the plate in a purposeful manner. He looked the first one over and then parked the next pitch high in the right field bleachers. He came in and said, "I think you'll see a different gang now. We know where we made a mistake."

A relief pitcher took over and the change in the Redskins was apparent as soon as they took the field. They hustled on every play and the air was

filled with their chatter. The game ended with the score 3 to 1.

The Redskins trooped into the dressing room, yelling and singing. Towels were thrown at each other and the inevitable quartet gathered in the corner.

In the middle of it, Windy was called into the manager's office.

George Standish was seated behind the desk. He came right to the point. "Mr. Frazee is taking over the front office. I believe his talents will be more suitable to that job." He paused and stared at Windy.

After a long minute he continued. "The manager's position is open. I wish you would consider it. I had you in mind for the job when I arranged to buy your contract. I wanted to see if you could justify my belief in you." He paused and let a smile creep across his face. "Needless to say, you have."

Windy let out his breath in a long whistle. Then he asked, "Will there be any interference?"

Standish shook his head. "None whatever!" he snapped. "You will have a free hand. I think the team will cooperate after the example you have just set."

Windy reached across the desk and gripped the slim hand in his own. He smiled briefly when he met the eyes of his new boss.



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What Makes the World Go Round?

IT HAS BEEN SAID for a long time that competition is what makes the world go round, and I don't know where you would see more of it than in the work of the Future Farmers of America.

Take in Oklahoma, for instance. The FFA members in Oklahoma have long been noted as "Ambassadors of Goodwill" at the nation's leading livestock shows. These boys, through competition with their livestock, have learned that to get that purple ribbon they must do the best job possible in the feeding, grooming, and showing of their animals. This being able to get into the select group has paid off for a lot of boys, and at least one FFA chapter that we know about.

John Shiflet, who is one of the leading breeders of Polled Hereford cattle in the country, noticed that the FFA boys in his home town of Red Rock,

Oklahoma, had their cattle looking like champions at all the shows. After talking it over with his boss, wife Lorraine, they decided to ask them to help with the grooming of their sale animals.

Douglas Tiffin, FFA advisor and vocational agriculture teacher at Red Rock, was mighty proud that one of his patrons felt that his boys could handle such an important task and also he saw the possibilities of some valuable training and experience for his boys in working with a man that had, over the past twenty years, developed one of the best herds of cattle in the country.

Here was a chance for the boys to learn, not only the fundamentals of grooming and fitting of cattle but also the things which go into making a successful herd. They had an opportunity to go behind the scene and see how a big-time sale is handled, how the animals

for this sale are selected with the utmost care, and how much work it really is to be a success at whatever you try to do. Also, they had an opportunity to become acquainted with some of the nation's leading cattle breeders.

Tiffin and his boys started their chores immediately following the fall fairs in September. Each class took an hour daily working with the animals. On week-ends all of the classes worked together washing, brushing, and combing on the 30 bulls and heifers that would



Under watchful eye of Advisor Douglas Tiffin, Red Rock, Oklahoma FFA members groom Shiflet bull that went into sale ring, netting their Chapter \$275.

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parade before the buyers in mid-November.

To make the job more interesting, the boys decided to turn it into a contest within the chapter. They went even a step further and divided the competition into classes. The seniors and juniors competed against one another; the sophomores and freshmen did likewise. Each team was responsible for a certain number of bulls and heifers. The losing teams had to treat the winners. Here again that old competitive spirit paid off; because each boy wanted the animal he was working on to top the sale.

The Shiflets were mighty pleased with what the boys were doing and to show that appreciation offered to let the boys pick an animal from the sale group. Whatever that animal brought was to be put into the FFA chapter's treasury. The boys selected a heifer, and the registered beauty brought \$700 for the eager young farmers.

The boys learned a lot that first year, and Tiffin was mighty happy to see that the lessons learned went back home with the boys. "Boys who never had thought about feeding cattle or fat stock of any kind were wanting to get a start." Tiffin beamed. "They didn't think it would pay off, but what they saw and learned while working with the Shiflet cattle proved to them that with proper care and feeding it can and will." They had learned well the lesson that comes from keen competition.

Only a CAT . . . has 9 lives



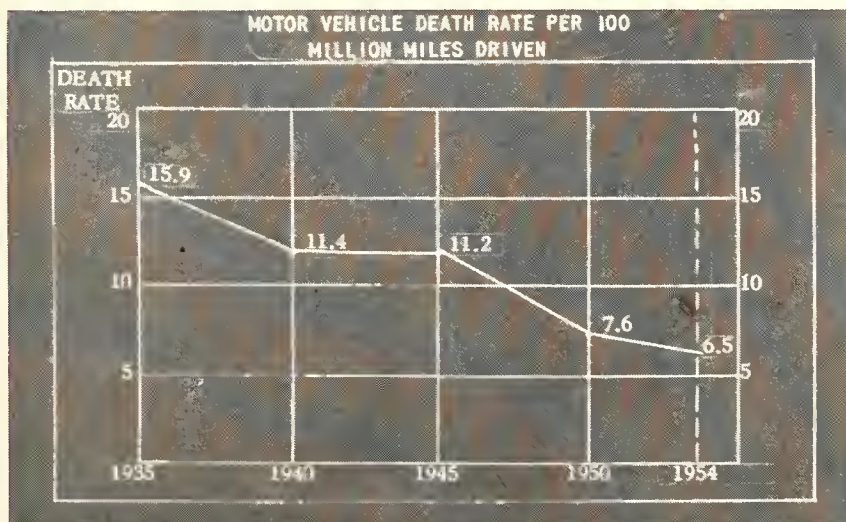
WE HEAR A LOT about silent, stealthy killers these days—killers like cancer, heart trouble, T.B. and polio—but few of us realize that there is one single killer bigger than all of these put together. This killer is the accident.

Accidents rank first when it comes to destroying the youth—the vitality—of our nation. Of course, without the safety programs of you young men throughout the country, things might have been worse. In the last twenty years, the number of motor accidents causing death have remained about the same, although the number of vehicles registered in the United States has doubled.

What do these grim statistics mean to you, as a young man who will some day take on the responsibility of a home and family? They mean that you, now, have a responsibility to your future—to insure it against all kinds of accidents, by the constant contribution of alertness.

Certainly we are getting somewhere in our efforts toward safety. The ray of hope is shown by the chart below. With twice as many cars for pedestrians to dodge (stretched bumper to bumper, we'd need 15 two-lane highways from New York to San Francisco just to park them), it's a credit to all of us that our accident death rate isn't larger. But it could be smaller.

Safety is our job—yours and mine. It is a local as well as a national problem, and can be promoted by everyone in his community. Future Farmers have sponsored, and must continue to conduct safety programs on their farms, at their meetings, in their schools, and in their communities. The knowledge, skill, and above all, the leadership, are in your hands, *right now*. Only a cat has nine lives—let's take care of our one—for our future's sake!



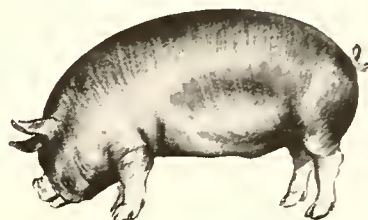
Courtesy Farm Bureau Insurance

Accidents are our biggest threat to youth. A ray of hope is shown in this chart, however, as it depicts a steady decline of the accident death rate.

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The booklets listed below are free. To get them, all you have to do is send your name and address (and the names of the bulletins you want to receive) to The National FUTURE FARMER, P. O. Box 29, Alexandria, Virginia.

SERVICE TIPS ON SPARK PLUG REMOVAL AND INSTALLATION; free, 8 pages. A complete guide for getting spark plugs in and out of the engine. Pictures and tips on proper tools help tell the step-by-step story. Standard plug removal is shown in three steps with the remainder of the manual devoted to individual cases where installation and removal are more complicated. (AC Spark Plug Division of General Motors.)



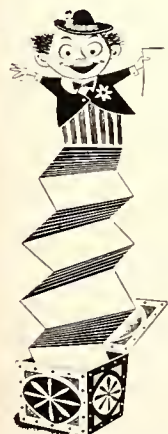
PLANNING A FARM HOME; free, 8 pages. Written by a specialist in rural architecture, this booklet takes you through the simple steps of laying out a farm home. The steps are made one at a time in their logical order. Book tells you how to arrange your house to make the best use of conditions which exist on your farm plot, such as the prevailing wind, road, view, and slope of ground. You are then ready to select your house plan or have it drawn to fit the layout. (West Coast Lumbermen's Association, 1410 S. W. Morrison Street, Portland 5, Oregon.)



CUTS OF MEAT; free, 24 pages. Here is the story of the meat animal after it goes to the slaughter pen. This bulletin tells you how to identify the various cuts of meat and where they are found in the carcass. It includes both wholesale and retail cuts of beef, hogs, lambs and veal. Pictures and easy-to-follow charts show you the carcass bone structure, what the cuts look like, where they are found, and what percent of total carcass weight is found in the various cuts. (Swift & Company, Agricultural Research Department, Chicago 9, Illinois.)



FOUR CARTOON-STYLE BOOKLETS; free, single or bulk orders. Interesting to read and packed with information about the development of mechanized agriculture. *Highlights in History;* 48 pages. Illustrations tell of important historical events from 1825 to 1952. *Pioneers of Progress;* color, 32 pages. The Adams family is fiction, but the facts are true. This comic-style book tells of agricultural practices and of farm machinery from the time the pilgrims landed at Plymouth until the present. *Harvestory;* color, 16 pages. Tells in comic-book style how harvesting was done down through the ages. *How to Get the Most for Your Money;* color, 16 pages. Takes you on a trip through a tractor plant with Mr. Jones and his two children, Tommy and Mary. (Minneapolis-Moline Company, Minneapolis, Minnesota.)



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No. 30

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Careers Ahead

If you're having trouble deciding on exactly the road to take when you finish high school—you'll want to read this article.

By Wilson W. Carnes

THERE IS A CAREER AWAITING YOU in agriculture. In fact, there are nearly two jobs waiting if you are a graduate in agriculture from a college or university. That is what a recent study looking into the job opportunities for agricultural college graduates has found.

This is a far cry from a few years ago when college graduates wore out several pairs of shoes and made their knuckles sore rapping on employers' doors. Now the job comes looking for the graduate in many cases. So, if you are thinking about going to college to prepare yourself for a career in agriculture, it's full steam ahead—you can't miss.

A booklet explaining the opportunities that await the college graduate in agriculture has been published by a special committee of the Association of Land-Grant Colleges and Universities in cooperation with the National Project in Agricultural Communications. The idea originated with the deans of agriculture nearly two years ago. Since then Committees have been busy gathering and collecting data, organizing the manuscript, and getting the booklet to press. The booklet is titled *Careers Ahead* and it all adds up to a wonderful opportunity for you.

You can get more information from the land-grant college in your state but here are highlights from the booklet that tell you where the opportunities are. Agriculture provides more jobs and careers in the city than on the farm . . . more jobs and careers than any

other industry. Of 62 million employed Americans, 25 million work somewhere in agriculture.

You can actually count more than 500 distinct occupations in the eight major fields of agriculture. Recent surveys indicate that these eight fields each year would and could employ about 15,000 new college graduates . . . if 15,000 with agricultural college training were available.

At present, our land-grant agricultural colleges graduate about 8,500 young men and women each year in agricultural sciences . . . 8,500 trained persons to fill 15,000 jobs, or nearly two futures for every graduate.

Here is a breakdown of the eight major fields and the opportunities in each:

RESEARCH

Research looks to tomorrow! Research programs already planned by state experimental stations and the United States Department of Agriculture will need 12,000 more trained agricultural scientists by 1960.

INDUSTRY

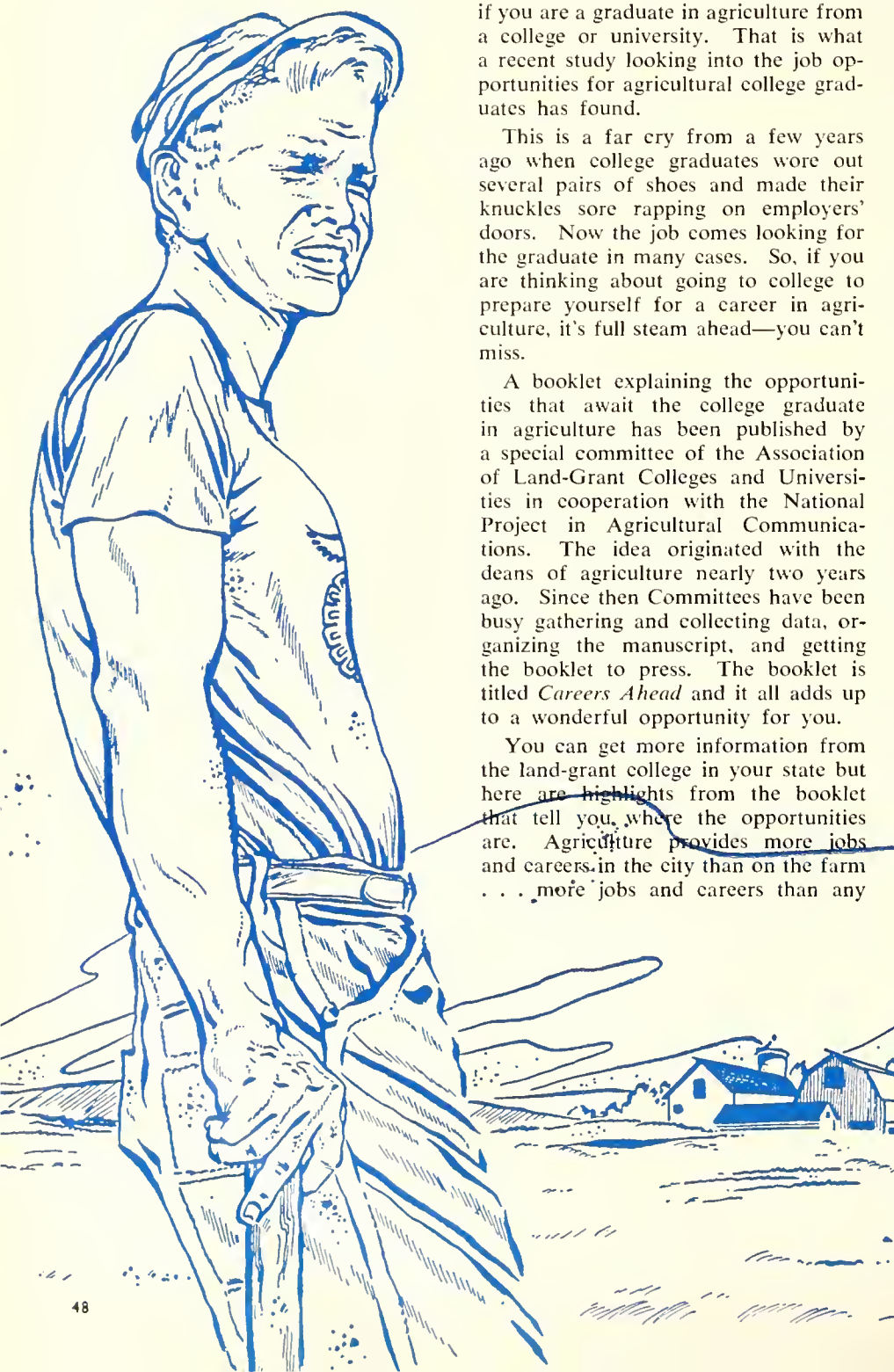
"Calling all grads!" is the word industry sends around to agricultural colleges each year. Industry means "all" because it has not been able to hire the number of trained young men needed.

The farm equipment industry can use 2,000 additional men a year for the next few years; the farm building industry, 1,500 a year, and the water and irrigation engineering industry about 250 men during the same period.

All the agricultural colleges graduate only 150 majors in dairy manufacturing each year, yet the industry estimates that it can place 1,000 such graduates annually for the next five years.

Fifteen agricultural chemical companies, large and small, report that they now employ about 375 agricultural college graduates and plan to add 175 more during the next five years.

The fertilizer industry estimates a continuing need of 200 to 300 graduates a year for the next 10 years.



In enterprises that serve the poultry industry, there are 20 jobs for every qualified applicant! The industry says that it can use from 2,500 to 3,500 graduates in the next five years.

BUSINESS

Conservative estimates indicate that more than 3,000 new agricultural graduates can find jobs in the agricultural business field each year. Banks, for instance, expect to employ 4,000 to 6,000 ag college graduates to serve as farm bank agents during the next 10 years. Other opportunities are in transportation, storage, marketing, co-operatives and with insurance companies.

As an agricultural educator, you make lasting contributions to the country's welfare. At the same time, you continue to learn and expand your own opportunities for success. For nearly 20 years the need for education workers in agriculture has exceeded the supply of well-qualified persons. Vo-ag teachers and county agents are two examples. In addition, many industries, businesses, and farm organizations and associations conduct educational programs of a less formal nature.

COMMUNICATIONS

Few people possess professional training in both agricultural communications or journalism. As a result, the demand actually exceeds the supply by six to one. Newspapers, magazines, radio and TV stations, market reporting, motion pictures and advertising are but a few examples of places where men with college training in agriculture are needed.

CONSERVATION

Best estimates indicate that the need for new graduates in agricultural conservation subjects exceeds 1,000 a year. You may hold such jobs as a forest ranger, fishery biologist, naturalist, saw mill operator, park superintendent or soil conservation technician.

PUBLIC AND PRIVATE SERVICES

All together, the field of public service needs from 6,000 to 8,000 agricultural graduates to fill vacancies or new positions in the next few years. Largest number of such jobs will be

with the U. S. Department of Agriculture, the world's biggest employer of professional agricultural workers.

FARMING AND RANCHING

Each year more than 200,000 young men become farmers. But farming no longer is just a job—it's a profession. You can become a successful farmer with only a high school education, but you can improve your chances for success with a college education in agriculture.

Let no one tell you that it's easy to choose a career! It isn't. Your future success—and happiness—can depend upon how and where you make your living.

It's your big decision. Compare the career opportunities in agriculture with those in other fields. Look to see how you can follow your major interest and pursue your favorite school subject in an agricultural job. Talk it over with your parents, teachers, and friends in business and industry.

If you are interested in the dollars and cents of why you should go to college, look at this: Surveys indicate that as a college graduate, you can expect to earn in your lifetime \$72,000 more than the average high school graduate. You might call this the cash value of a college education. When you see a job that pays pretty well for someone just out of high school, remember this gain is only temporary. After a few years, the earning power of the college-trained person leaps ahead.

College costs vary from state to state. You might check on these expenses by writing directly to the college of your choice. You may have enough money in your projects to see you through a year or two of college, or you may be eligible for a scholarship or loan available to those with certain qualifications. Then too, hundreds of students each year pay some or all of their college expenses through jobs available on or near the campus. There is a way, if you really want to go to college . . . and a career in agriculture awaiting you at graduation. Remember, too, there's always room at the top for good men!

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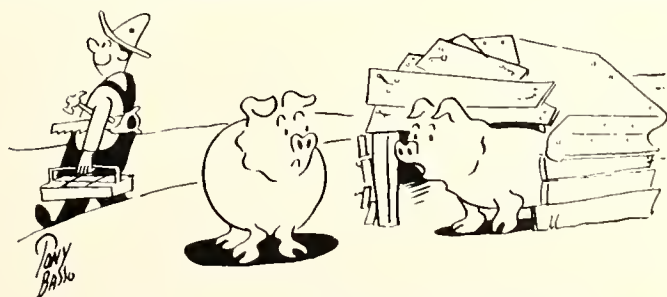
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"If we don't use it we'll only hurt his feelings!"

The First One Doesn't Have A Chance!

CARTOON CONTEST



Here it is! And all you have to do is think up an amusing line, or caption, for this cartoon. Write it down and mail it to: Cartoon Contest, The National FUTURE FARMER, Box 29, Alexandria, Virginia.

PRIZES

First: \$15 Second: \$10 Third: \$5 plus 10 honorable mention prizes of plastic FFA billfolds, with the winners' names lettered in gold!

RULES

Contest closes midnight, August 15, 1955. Entries will be judged by the magazine staff on the basis of humor and originality. Hints: Print your entry, keep it short, and be sure and include your name and address. That's it—good luck!

"The civic dinner is next week," said Mrs. Jones. "What color dress are you going to wear?"

"Well," replied Mrs. Smith, "we're supposed to wear something to match our husband's hair, so I'm going to wear black. What will you wear?"

"Gracious me!" exclaimed Mrs. Jones, "I don't think I'll go!"

Kate Ridley
Elgin, Oklahoma

An old Indian took his watch to be repaired. When the jeweler took the back off a dead bug fell out. The astonished Indian exclaimed, "Ugh! No wonder watch won't run; engineer dead."

Bryan Burrell
Fairview, Oklahoma

There was a dead mule in front of a minister's house. He called up the local Board of Health to complain. He said, "This is Reverend Jones. There is a dead mule in front of my house."

The man in the health office thought he would be smart and said, "I thought you ministers took care of the dead."

"We do," replied the Reverend, "but first we notify their relatives."

Ronald Davis
Greenville, Georgia



"I do look kinda keen, don't I?"

The best things in life are still free, but the tax experts are working overtime on the problem.

Bernadine Kubes
New Prague, Minnesota

The Sunday school class was composed of three-year-olds. The teacher asked, "Do any of you remember who

St. Matthew was?" No answer. "Well, who was St. Mark?" Still no answer. "Surely then, someone must remember who Peter was?" The little faces were full of interest, but the room was quiet. Finally a tiny voice came from the back of the room, "I fink him was a wabbit."

Gary Splittgerber
Wayne, Nebraska

A small boy visiting New York City for the first time went up in the elevator to the top of the Empire State Building. As he shot past the sixty-fifth floor, he gulped, turned to his father and said, "Daddy, does God know we're coming?"

William Freeman
Celina, Ohio

Teddy: "I saw you winking at some girls the other day at the bus stop."

Eddie: "Oh, no, I had just gotten something in my eye."

Teddy: "Yes, and I saw her get into your car, too!"

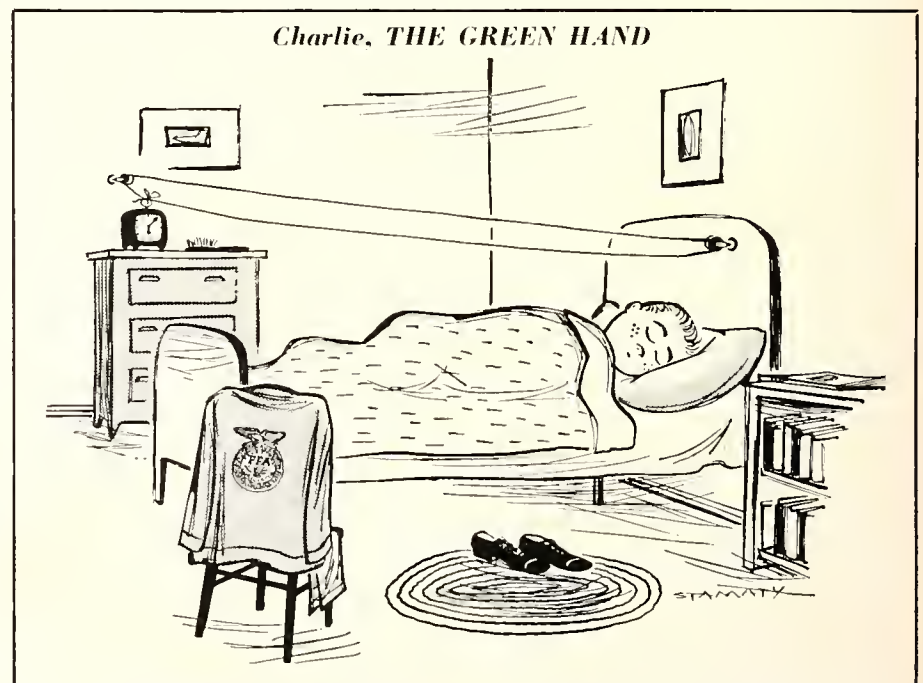
Evelyn Pagel
Marshall, Minnesota

Bill: "I have a good joke."

Ben: "Why don't you send it to The National FUTURE FARMER?"

Bill: "I can't; that's where I got it."

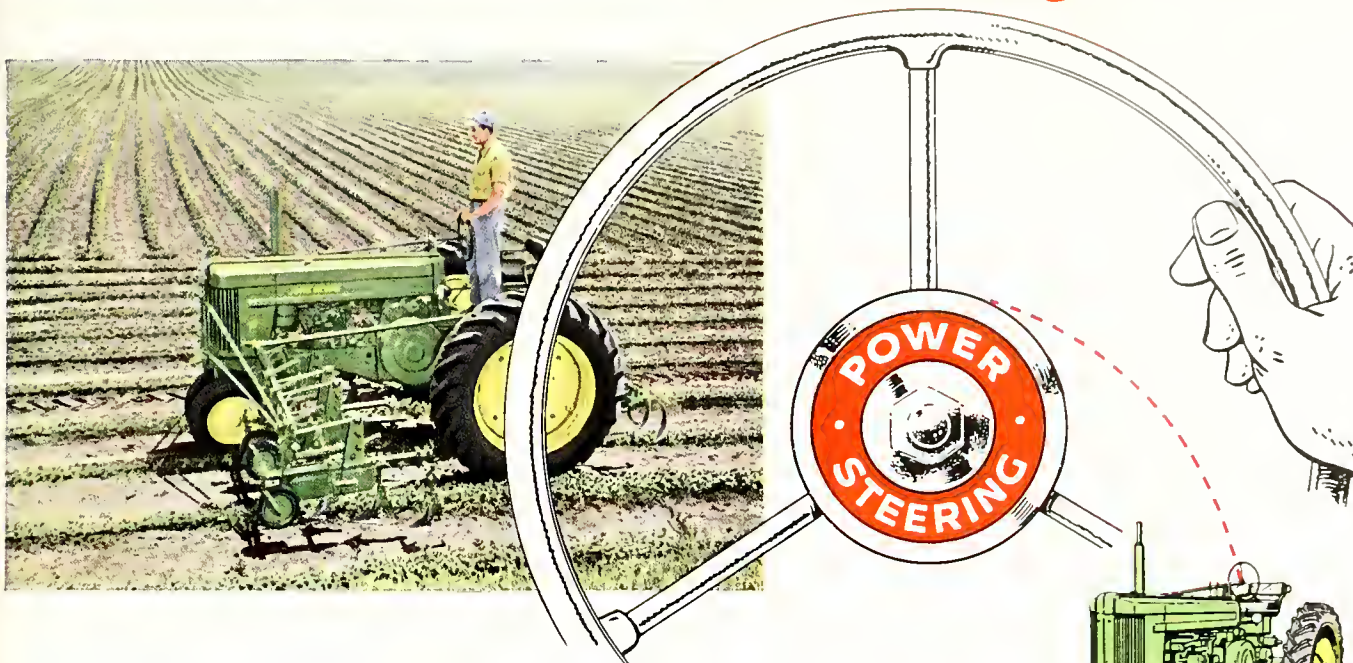
Pat Mitchell
Utica, Mississippi



The National FUTURE FARMER will pay \$1 for each joke published on this page. Jokes should be submitted on post cards addressed to The National FUTURE FARMER, Box 29, Alexandria, Virginia. In case of duplication, payment will be made for the first one received. Contributions cannot be acknowledged or returned.

The Future is Here **TODAY**

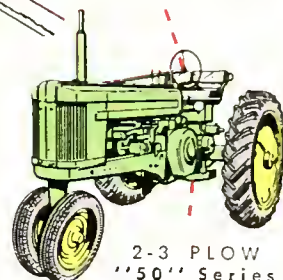
in a **JOHN DEERE** *Power Steering Tractor*



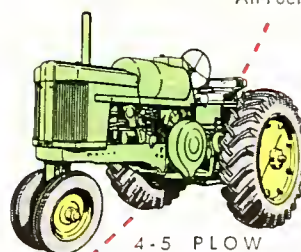
THERE'S no doubt about it. Tomorrow, most farm jobs will be done with *power steering* tractors. And no wonder. For power steering means entirely new freedom from steering effort and driver fatigue . . . much easier handling every minute at the wheel, for every member of the family who drives a tractor.

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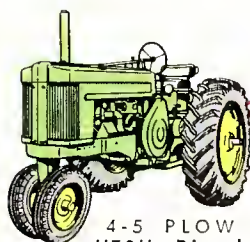
2-3 PLOW
"50" Series
(Gasoline . . . LP-Gas . . .
All-Fuel Engines)



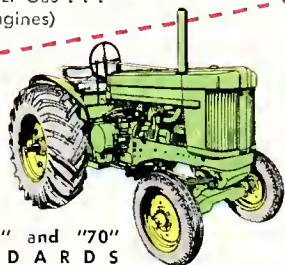
4-5 PLOW
"70" Series
(LP-Gas Model Illustrated)



3-4 PLOW
"60" Series
(Gasoline . . . LP-Gas . . .
All-Fuel Engines)



4-5 PLOW
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(New Fuel-Economy Champion)



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